1988 MORTALITY STATISTICS

Highlights

THE STATE:

Total Deaths

In 1988, a total of 125,337 Pennsylvania residents died, an increase of only 351 or 0.3 percent from 1987. This figure is the highest annual number of deaths since 1973. The 1988 crude death rate per 1,000 population was 10.4, down only slightly from the rate of 10.5 that occurred in 1987 and the same rate that occurred in 1985 and 1986. Only minor fluctuations have occurred in the death rate over the past 40 years. Historically, Pennsylvania's total crude death rates have been higher than those for the United States.

Deaths by Age, Sex and Race

The median age at death in 1988 for Pennsylvanians was 75.3. This figure has risen gradually over the years from 68.7 in 1960, 70.9 in 1970, 72.8 in 1980, and 74.3 in 1985. The median age at death for females in 1988 was 78.6 -- 6.3 years higher than the median age at death for males (72.3).

Even though the total (all ages) crude death rates have changed only slightly since 1950, the age-specific death rates for the youngest five-year age group (under 5) and for the five-year age groups of those 50 years of age through 85 and older have decreased dramatically over the years since 1950. The death rates for the other age groups have changed only slightly or experienced decreases that were not as dramatic as for the previously mentioned age groups.

In 1988, 9.7 percent of all deaths were to residents of races other than white. Almost 53 percent of the white residents who died in 1988 were 75 years of age or older while only about one-third (33.1 percent) of the deaths to residents of races other than white were from the same age group. This is a reflection of the rather large difference (8.3 years) in the median age at death between the two racial groups -- 75.9 for whites compared to 67.6 for all other races.

The 1988 resident male death rate of 11.0 per 1,000 male population also occurred among white males. The death rate in 1988 among males of races other than white was 11.2, only slightly higher than that for whites. However, in comparing age-specific male death rates between the two racial groups, the rates for non-white males were much higher than those for white males in all age groups except for the two oldest age groups, 80-84 and 85 and older. The median age at death for white males in 1988 was 72.9; for males of all other races, it was 64.6. This represents a difference of 8.3 years in the median ages (at death) of males for the two racial groups.

In contrast to the males, the crude death rate for white females (10.1) was higher than the rate for females of races other than white (8.4). Yet, for the age-specific rates among the females, a pattern similar to that among the males was evident between the racial groups. Death rates for white females were not consistently higher than for females of other races until ages 80 and over. The median age at death for white females in 1988 was 79.2; for females of all other races, it was 71.6. This represents a difference of 7.6 years in the median ages (at death) of females for the two racial groups -- similar to the difference between the males' median ages at death.

Age-Adjusted Death Rates by Sex and Race

One explanation often used for Pennsylvania's consistently higher crude death rates is that Pennsylvania has one of the oldest populations among the fifty states. To take that into account, age-adjusted death rates by sex and race were computed for the state back to 1950. In comparing these special United States and Pennsylvania death rates that have been adjusted for differences in the ages of the populations being studied, we find that most Pennsylvanians have experienced similar or only slightly higher mortality rates that the United States as a whole. The gap between the Pennsylvania and United States rates has narrowed over the years. In 1950, the age-adjusted death rate for the state was 6.0 percent higher than the same rate for the United States. By 1975, Pennsylvania's rate was 4.8 percent higher and, by 1988, only 1.9 percent higher.

In reviewing the 1988 age-adjusted death rates by sex, the rate for males was over 75 percent higher than the rate for females. Since 1950, the rates for males have been higher. However, in 1950, the male rate was 40.0 percent higher than the female rate and the percentage difference between these rates continued to increase until the 1970's. Since then, the percentage difference has remained at approximately 75 percent.

Age-adjusted death rates by race for Pennsylvania and the United States showed that while the rates among whites in Pennsylvania have been similar to the United States rates for whites, the Pennsylvania rates for races other than white have been higher than the comparable United States rates. In 1988, the age-adjusted death rates for whites in Pennsylvania was 5.2 per 1,000 white population; in the United States, it was 5.1. Among races other than white, the figure was 7.8 for Pennsylvania and 6.7 for the United States. The state's 1988 age-adjusted death rate among races other than white was 50.0 percent higher than the rate for whites. In comparison, the United States rate among races other than white in 1988 was 31.4 percent higher than the rate for whites.

Infant Deaths

The number of resident infant deaths for Pennsylvania declined from 1,654 in 1987 to 1,615 in 1988, a decrease of 2.4 percent from 1987. The corresponding infant death rate also declined to 9.8 per 1,000 live births in 1988 compared to the 10.2 recorded in 1987 and 1986. Both the 1988 infant death number and rate were the lowest such annual figures ever recorded for the state.

In 1988, 67.6 percent of the infant deaths occurred during the neonatal period (the first 27 days of life) and the remaining 32.4 percent during the postneonatal period (28-364 days). From 1950 to 1987, Pennsylvania's resident infant and neonatal death rates have been similar to those for the United States with significant decreases since 1950 but fewer and smaller declines in the last several years.

Infant Deaths by Race

When broken down by race, the resident infant death rate for whites declined slightly from 8.1 in 1987 to 8.0 in 1988. The number and rate of neonatal deaths among whites also declined, and, to record lows, with 747 deaths and a rate of 5.5. However, the number and rate of postneonatal white infant deaths increased from 310 with a rate of 2.3 for 1987 to 343 deaths with a rate of 2.5 for 1988. The number of infant deaths among races other than white also decreased from 554 in 1987 to 525 in 1988. The infant death rate for this group decreased from 20.4 in 1987 to 18.4 in 1988, close to the record low of 18.3 registered in 1986. However, the neonatal death rate among nonwhites in 1988 was the lowest ever recorded -- 12.1. While the number of postneonatal deaths to infants of races other than white in 1988 remained the same as in 1987 (180), the corresponding postneonatal death rate for this group declined to 6.3 from the 6.6 of 1987, directly due to the higher number of births among nonwhites in 1988, compared to 1987. The 1988 infant, neonatal, and postneonatal death rates among races other than white were approximately twice as high as those for whites. Historical data for the years 1980 to 1987 show that this has been the trend in these rates over the years.

Leading Causes of Death

The leading cause of death to Pennsylvania residents continued to be heart disease, which accounted for 47,810 or 38.1 percent of all deaths. The 1988 figure is an increase of 429 deaths from the 47,381 recorded in 1987. However, there was a decrease in the number of resident deaths in 1988 due to malignant neoplasms or cancer compared to 1987. There were 28,316 cancer deaths in 1988. In 1987, there were 28,767. Although the decrease represents only 451 deaths for a 1.6 percent reduction, it also represents the largest annual number and percentage decreases ever recorded (since 1930) for the state and only the sixth year since 1930 in which the number of cancer deaths decreased from a previous year. However, cancer remained, by far, the second most frequent cause of death to residents of the state. The ranking of the three most frequent causes of death -- heart disease, malignant neoplasms (cancer), and cerebrovascular disease (stroke) -- has remained the same since 1945. Together, these three causes accounted for over two-thirds (67.1 percent) of all the deaths in 1988.

Deaths due to unintentional injury were the fourth leading cause of death in 1988. Since 1950, this major cause has held onto the fourth position except in 1986 when chronic obstructive pulmonary disease replaced it. However, with 1988 figures, it again appeared fourth as in 1987, accounting for 4,437 or 3.5 percent of all resident deaths. The fifth leading cause of death in 1988, chronic obstructive pulmonary disease, is a relatively new category that includes bronchitis, emphysema, asthma and allied conditions. The National Center for Health Statistics and state health agencies have been listing this category since the latest revision of the International Classification of Diseases took effect in 1979. Since the late 1970's, medical certifiers have been using the term, chronic obstructive pulmonary disease, on certificates instead of a more specific diagnosis. And, for comparison with mortality statistics reported by other states and the United States, this new category was first introduced in the 1982 report of *Pennsylvania Vital Statistics*. In 1988 and 1987, it accounted for 3.4 percent of all deaths, compared to 3.3 in 1985 and 2.7 in 1982.

Among the causes ranked six through ten, there were no changes in the order from the 1987 list. However, the number of deaths due to septicemia has more than doubled since 1980 and increased by over 4,400 percent since 1950. Nephritis/nephrosis deaths were slightly lower in 1988, the first decrease in the annual number of these types of deaths since 1978. Although not as large and consistent an increase as for septicemia, the number of deaths due to nephritis/nephrosis have been rising since 1978 when there were 528 deaths compared to the 1,605 in 1988, a difference of 204.0 percent. Deaths due to atherosclerosis, perinatal conditions, congenital anomalies, tuberculosis, and syphilis have decreased significantly over the years 1940-1988.

Median Age at Death for Leading Causes

Residents of Pennsylvania who died from homicides and unintentional injuries involving motor vehicles in 1988 had the lowest median age at death among the 18 leading causes, 29.0 and 31.8, respectively. This was consistently true for both sexes and racial breakdowns (white and all other). Other causes with somewhat lower median ages at death included HIV infection (36.1), suicide (40.5), non-motor vehicle, unintentional injuries (63.4), and liver disease/cirrhosis (63.5). The highest median ages at death occurred for atherosclerosis (85.7) and pneumonia/influenza (82.8). Again, this was true of both sexes and racial groups.

The largest difference in median ages between the sexes occurred for deaths due to unintentional injuries, especially non-motor vehicle (48.7 for males, 76.8 for females). However, the age/sex difference for deaths due to unintentional injuries was less evident among races other than white. There were no other large sex differences in median ages at death for the selected causes among the two racial groups.

Cause-Specific Death Rates

Cause-specific death rates for 1988 displayed the prominence of heart disease and malignant neoplasms among the leading causes, with rates of 398.3 and 235.9, respectively, per 100,000 population. While the 1988 heart disease death rate was higher than the 396.9 reported in 1987, the 1988 cancer death rate of 235.9 was lower than the 1987 rate of 241.0, the highest ever recorded for the state. The third highest cause-specific death rate in 1988 was 67.0 for cerebrovascular disease. The death rate for this disease has been on a steady decline since the mid-1970's. The rate for deaths due to unintentional injuries decreased slightly from the 1987 figure of 37.4. In 1988, the rate was 37.0. 1988 is only the second year that data on deaths due to HIV (Human Immunodeficiency Virus) Infection have become available via the certificate of death. Among the 34 major causes listed, HIV Infection placed eighteenth, with a rate of 3.9 per 100,000 population. In 1987, it was twenty-first, with a rate of 3.1.

Leading Causes of Death by Age

For children under 5 years of age, deaths in 1988 were due mainly to perinatal/early infancy conditions (43.6 percent), congenital anomalies/birth defects (20.1 percent), and unintentional injuries (6.4 percent).

Persons 5-24 years of age had both the lowest number and the lowest death rate among the age groups listed. Unintentional injuries caused almost half of all these deaths. Motor vehicle collisions alone accounted for 35.6 percent of the deaths, suicide for 12.9 percent, homicide for 10.5 percent, and malignant neoplasms for 6.9 percent.

Over 21 percent of the deaths to persons 25-44 years of age were from unintended injuries; another 17 percent were from malignant neoplasms; 13.6 percent were from heart disease; and, 10.4 percent from suicide. Also, almost 6 percent of the deaths to this age group were due to HIV infection in 1988, making it the fifth leading cause of death among 25 to 44 year-olds in Pennsylvania that year.

For the age group 45-64, the leading causes of death were malignant neoplasms and heart disease. Together they accounted for over 68 percent of these deaths. Cerebrovascular disease was a distant third at 3.7 percent.

Heart disease accounted for almost 40 percent of the deaths to residents 65-84 years of age, malignant neoplasms for almost 25 percent, and cerebrovascular disease for 6.7 percent.

For the age group 85 and over, 48.3 percent of the deaths were from heart disease compared to 10.2 percent from malignant neoplasms, 9.5 percent from cerebrovascular disease, and 6.2 percent from pneumonia/influenza.

Leading Causes of Death by Sex

Approximately 1,400 males died as a result of motor vehicle collisions, compared to 599 females. Other causes with significant sex differences included suicide (1,210 males versus 269 females), homicide (479 males and 187 females), pneumoconiosis (463 males and 8 females), and HIV infection (428 males and 38 females). There were no female-dominated causes with such dramatic sex difference, although females did outnumber males in causes such as cerebrovascular disease, diabetes mellitus, septicemia, and atherosclerosis. It is interesting to note that most of the causes dominated by males were external causes of injury and poisoning, with the exceptions of pneumoconiosis which is an occupational disease and HIV infection which is a disease predominantly transmitted among homosexual men. However, the female-dominated causes were all chronic diseases mainly associated with the elderly. The number of male deaths outnumbered female deaths in all the age groups except the oldest, 85+. In fact, the number of male deaths under 45 years of age was more than twice the number of female deaths for those ages in 1988. Cause-specific death rates by sex displayed similar patterns.

Leading Causes of Death by Race

In 1988, 39.2 percent of the deaths among whites were due to heart disease, compared to 28.6 percent for all other races. The proportions dying from malignant neoplasms and cerebrovascular disease were similar for both whites and other races. Homicide and perinatal conditions appear in the top ten leading causes for races other than white but not for whites. Instead, nephritis/nephrosis and suicide appear in the top ten leading causes of death among whites. For races other than white aged 5-24, the leading cause was homicide; for whites of these ages, homicide placed fourth, with the leading cause for that group being unintentional injuries. For the age group 45-64, suicide appeared among the top ten for whites; among all other races, suicide was not among the top ten, but nephritis/nephrosis was. HIV infection appeared in the top ten causes of death for whites in the age groups 5-24 and 25-44. However, among races other than white, it appeared in the top ten for the age groups Under 5, 5-24, and 25-44. Cause-specific death rates by race displayed very similar patterns.

Age-Adjusted Death Rates for Leading Causes

In comparing age-adjusted death rates for 16 selected major causes of death for Pennsylvania and the United States in 1988, Pennsylvania's rates for heart disease, malignant neoplasms, diabetes, septicemia, and nephritis/nephrosis were higher than the United States rates but lower for all other causes, especially unintentional injuries homicide, and HIV infection. The 1988 Pennsylvania rates were higher than comparable five-year (1984-88) summary rates for 8 out of the 15 major causes -- unintentional injuries, chronic obstructive pulmonary disease, pneumonia/influenza, diabetes, septicemia, nephritis/nephrosis, suicide, and homicide.

Causes of Death by Type

Infectious and Parasitic Diseases - These deaths occurred at a rate of 23.0 per 100,000 population in 1988, compared to 21.4 in 1987 and 10.3 in 1980 which was less than half the 1988 rate. Septicemia was the underlying cause of death for 68.5 percent of these deaths. HIV infection accounted for almost 17 percent.

Malignant Neoplasms - The number of resident deaths from cancer decreased from 28,767 in 1987 to 28,316 in 1988. Over 56 percent of the cancer deaths in 1988 were due to malignant neoplasms of five sites: trachea, bronchus and lung (26.0 percent), colon (10.9 percent), female breast (9.1 percent), prostate (5.8 percent), and pancreas (4.4 percent). The death rate for malignant neoplasms (235.9 per 100,000 population) was the second highest annual rate ever recorded in Pennsylvania. The highest was the rate of 241.0 for 1987.

Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders - Of the 3,573 deaths due to these diseases and immunity disorders in 1988, over 73 percent were from diabetes mellitus. The death rate for diabetes was 21.8 per 100,000 population.

Diseases of the Nervous System and Sense Organs - Hereditary and degenerative diseases of the central nervous system, including Tay-Sachs disease among children and Parkinson's disease among the elderly, accounted for 62.7 percent of the deaths in this category. Other disorders of the central nervous system, including multiple sclerosis, infantile cerebral palsy, and epilepsy, made up the other major subdivision, accounting for over 28 percent of the 1,887 deaths in 1988.

Circulatory System - The number of deaths due to these diseases increased from 58,541 in 1987 to 58,907 in 1988. Almost half of these deaths in 1988 were the result of ischemic heart disease, including 15,082 deaths due to acute myocardial infarction. Another category, cerebrovascular disease, accounted for 8,036 deaths or 13.6 percent. Other major categories included cardiac dysrhythmias (5,486 deaths), diseases of the arteries, arterioles and capillaries (2,378 deaths), and hypertensive diseases (1,500 deaths).

Respiratory System - Of the 10,220 resident deaths due to diseases of the respiratory system in 1988, 42.1 percent were due to chronic obstructive pulmonary disease which includes emphysema, asthma and bronchitis. Another 39.0 percent of the deaths were the result of pneumonia/influenza. The number of deaths due to coalworker's pneumoconiosis was 429, a slight decrease from the 464 deaths in 1987 but a significant decrease from the 727 deaths recorded in 1980.

Digestive System - The number of deaths due to diseases of the digestive system during 1988 in Pennsylvania was 4,104. Almost 30 percent (1,226) of these deaths were from chronic liver disease and cirrhosis.

Diseases of the Genitourinary System - Of the 2,627 deaths due to diseases and disorders of the genitourinary system, over 61 percent were due to nephritis, nephrotic syndrome and nephrosis, in most cases, renal failure.

Maternal Deaths - Deaths resulting from complications of pregnancy, childbirth, and the puerperium numbered 8 or 0.5 per 10,000 live births in 1988, the same number and rate that was recorded in 1987 and the second lowest number and rate of maternal deaths ever recorded for the state. The lowest number and rate occurred in 1981 (7 and 0.4).

External Causes of Injury and Poisoning - Of the 6,771 deaths in 1988 due to these causes, 65.5 percent or 4,437 were due to unintentional injuries. Approximately 44 percent or 1,958 of the deaths due to unintentional injuries involved motor vehicles. Other major types of deaths due to unintentional injury included falls (660 deaths), poisoning (442 deaths), submersion/suffocation (358 deaths), and fires ((248 deaths). The next highest number of deaths for all external causes of death was for suicides -- 1,479 or 12.3 per 100,000 population. Homicides increased from 639 in 1987 to 659 (5.5 per 100,000 population) in 1988. As recently as 1985, the number and rate of homicides had been down to 581 and 4.9. Approximately half of the suicides and the homicides involved firearms and explosives. Only 188 resident deaths or 2.8 percent of the deaths in this category were undetermined as unintentionally or purposely inflicted.

Infant Deaths by Cause

Age at Death - The cause of death for infants varied according to the age at death. For neonatal deaths (under 28 days of age), 71.5 percent were the result of perinatal conditions and 22.3 percent were due to congenital anomalies/birth defects. For postneonatal deaths (28-364 days of age), 36.1 percent were the result of sudden infant death syndrome and 15.9 percent were due to congenital anomalies.

Congenital Anomalies - Over 39 percent of the infant deaths in this category were due to congenital anomalies of the circulatory system. Over 15 percent were the result of anomalies of the respiratory system, followed by anomalies of the nervous system with 14.1 percent and chromosomal anomalies (including Down, Patau's, and Edward's Syndromes) with 9.8 percent.

Perinatal Conditions - In 1988, there were 838 infant deaths due to perinatal conditions compared to 1,194 in 1980. Over 65 percent of these types of deaths occurred among infants under 1 day of age. Respiratory distress syndrome and other respiratory conditions of the newborn were responsible for 36.4 percent of these infant deaths; while disorders relating to short gestation and low birth weight accounted for 17.8 percent. Maternal complications of pregnancy (primarily, multiple pregnancy) and complications of placenta, cord, and membrane were responsible for 11.0 percent of the infant deaths.

All Other Causes - Of the 450 infant deaths due to causes other than congenital anomalies and perinatal conditions, half (225) were attributed to sudden infant death syndrome (SIDS). Over 91 percent of the infant deaths due to SIDS occurred during the postneonatal period (28-364 days of age). Figures for all other types of causes in this category were much smaller. They included cardiac dysrhythmias or cardiac arrest with 28 deaths and pneumonia with 22 deaths. Six infant deaths in 1988 were reported to be caused by HIV infection. External causes of injury and poisoning accounted for 42 infant deaths in 1988. Almost 55 percent of these types of deaths were due to two causes -- submersion/suffocation and homicide. Postneonates accounted for 85.1 percent of the infant deaths due to causes other than congenital anomalies and perinatal conditions.

Fetal Deaths

NOTE: In Pennsylvania, a fetal death is required by law to be reported only if the gestational age of the fetus was more than 16 weeks. The data for fetal deaths in this report reflect this legal requirement. See the *Technical Notes* section in the back of this report for further discussion of data on fetal deaths.

The fetal death rate in 1988 was 18.9 per 1,000 deliveries (live births and fetal deaths). In 1987, the rate was 19.4, and, in 1980, 21.3. Approximately 40 percent or 1,271 of the 3,184 reported fetal deaths in 1988 were induced terminations of pregnancy.

Of the 1,913 fetal deaths excluding induced terminations, 584 (30.5 percent) were due to complications of the placenta, cord and membranes; 285 (14.9 percent) to maternal complications of pregnancy; and, 154 (8.1 percent) to disorders relating to short gestation and low birth weight.

PA and U.S. Death Rates by Type

Pennsylvania's death rates due to heart disease, malignant neoplasms, and cerebrovascular disease throughout the period 1950-1988 as compared to the rates for the United States were consistently higher. Pennsylvania had the third highest median age among states in the 1980 U. S. Census. Such an older age distribution is a major factor contributing to higher rates for chronic diseases such as heart disease and cancer. Also, when comparing death rates for external causes for the same period, Pennsylvania's rates for unintentional injuries, suicides, and homicides are consistently lower, especially for homicides. Comparison of death rates for pneumonia and influenza indicate very similar figures over these years. However, since 1986, Pennsylvania's rates have been higher. For the seven major causes of death, trends over the thirty-nine year period were similar in Pennsylvania and the United States.

Leading Causes of Death by Age, Sex and Race

Heart Disease - Ischemic heart disease including acute myocardial infarction accounted for 61.0 percent of all heart disease deaths among Pennsylvania residents in 1988. In 1980, the corresponding percentage was 70.3; in 1985, it was 66.0. In comparing the types of heart disease deaths by sex, more males tended to die from acute myocardial infarction while more females died from other ischemic heart disease, rheumatic heart disease, and heart disease with hypertension.

Malignant Neoplasms - The three major types of cancer deaths among Pennsylvania males in 1988 were those of the respiratory, digestive, and genitourinary systems, in that order. Among females, the top three were cancers of the digestive system, the bone, tissue, skin and breast, and the respiratory system. The respiratory system was the major site of cancer deaths among males aged 45 and older. For females of ages 25-64, malignant neoplasms of the bone, tissue, skin and breast were predominant and digestive system cancers were the major type in females 65 years of age and older. Leukemia was the major type of cancer death for both males and females in the age group 5-24.

In comparing the different sites involved in the cancer death rates by race, the rates were higher among whites for all but one site - the buccal cavity and pharynx. The cancer death rates for leukemia and bone, tissue, skin and breast among whites were 42.7 percent and 27.4 percent higher, respectively, than for all other races.

Unintentional Injury - Over 44 percent of the deaths due to unintentional injury were motor vehicle related. For ages 5 to 74, motor vehicle collision was the leading type of fatal injury. For deaths to children under 5 years of age, the most prevalent type of unintended injury was caused by fires. Among the elderly, 75 years of age and older, falls were the leading cause of deaths due to unintended injury, accounting for 398 or 37.7 percent of the 1,055 deaths.

In making comparisons by sex of the types of deaths due to unintentional injury, males accounted for 66.2 percent of all these deaths. They also represented over 69 percent of the deaths that were motor vehicle related as well as 76.5 percent of deaths due to unintentional poisoning. Male deaths outnumbered female deaths in every major category; however, the figures were almost even for unintentional deaths due to surgical complications.

Pneumonia and Influenza - The number and rate of resident deaths due to pneumonia and influenza have been increasing through much of the 1980's. By 1988, the number (3,990) and rate (33.2) of these types of deaths have become the highest annual figures recorded since 1968. Most of the increases have occurred since 1983.

Suicides - Males accounted for almost 82 percent of all suicide deaths recorded for Pennsylvania residents in 1988. Approximately the same percentages occurred by sex among whites and all other races. The largest number and percentage of total suicides occurred in the ten-year age group 25-34 -- 346 and 23.4 percent. Again, this was true for both sexes and races. Even though the largest numbers of suicides usually occur among the younger age groups, the death rates for suicide are usually higher among the elderly.

Homicides - In 1988, almost 72 percent of the homicides involved males. Figures were similar among the two racial groups of whites and all others. Over 54 percent of the homicides in 1988 were to persons 15-34 years of age. Among whites, the age group 25-34 had the highest number of homicides; however, among all other races, the age group 15-24 had the highest figure. While nonwhites accounted for 9.7 percent of all deaths in 1988, they represented over half (53.6 percent) of all the homicide deaths in 1988.

COUNTIES:

NOTE: County by county comparisons should be made very cautiously. For example, Forest County had the highest death rate in 1988 and Centre County the lowest among the 67 counties. This is a reflection of the size and age of these populations. Forest County had one of the highest median ages (35.5) and Centre County the lowest (24.3), according to 1980 census figures. Forest County is also the least populated county in the state with a 1988 total estimated population of only 4,700. See the *Reliability of Rates* section of the *Technical Notes* in the back of this report for more discussion of small area data analysis.

Total Deaths

Five-year county summary crude death rates for 1984-88 can provide more accurate and useful information. The state/county map of these rates demonstrates that higher death rates occurred in the northeastern and western parts of the state while relatively lower rates occurred in the southcentral part of the state.

Infant Deaths

The five-year summary infant death rates for 1984-88 displayed on a state map of the counties showed that the metropolitan counties containing Philadelphia, Pittsburgh, Harrisburg, and Erie as well as the western part of the state had the highest rates. Five-year summary neonatal death rates by county demonstrated similar patterns.

Age-Adjusted Death Rates

Death rates adjusted for age can be used to obtain a more accurate description of recent mortality experiences and provide a basis for comparison. Five-year summary rates by county also help to diminish the effects of artifically high or low annual incidence that can occur among the less populated counties. Age-adjusted death rates for 1984-88 by county showed Philadelphia County with the highest age-adjusted total death rate in the state at 7.2 deaths per 1,000 population. Eight counties had five-year summary age-adjusted death rates below 5.0 -- Montgomery (4.6), Cumberland and Lancaster (4.7 each), and Centre, Franklin, Northampton, Pike, and York (4.9 each). Philadelphia had the highest 1984-88 age-adjusted death rates for males (9.7) and for females (5.3). This highest rate (5.3) for females was still lower than the lowest five-year age-adjusted death rate for males (6.0). Both Lancaster and Montgomery Counties claimed this rate while Montgomery, again, along with Cumberland and Pike Counties shared the lowest five-year age-adjusted female death rate of 3.6.

Five-year summary age-adjusted death rates for the top four leading causes of death (heart disease, cancer, stroke and unintentional injuries) by county further illustrate the different mortality patterns experienced across the state. A rural, southwestern county (Greene) had the highest five-year summary age-adjusted death rate for heart disease -- 236.2 per 100,000 population -- compared to Montgomery County (a suburban, southeastern county) that had the lowest such rate in the state -- 150.9. Philadelphia County (the largest urban county in the state) had the highest five-year summary age-adjusted cancer death rate with 174.8 per 100,000. Pike County (one of the state's northern rural counties) had the lowest comparable rate -- 110.5.

Deaths by Race

Twelve counties had no resident deaths in 1988 that were of a race other than white. Another thirteen counties had only 1 or 2 such resident deaths in 1988. Six counties (Allegheny, Chester, Dauphin, Delaware, Montgomery, and Philadelphia) accounted for almost 90 percent of the resident deaths to races other than white for Pennsylvania during 1988.

Leading Causes of Death

Over half of the homicide deaths and almost half of the deaths due to HIV Infection in Pennsylvania during 1988 were of residents to Philadelphia. Two counties -- Luzerne and Schuylkill -- accounted for over 61 percent of the deaths from pneumoconosis.

CITIES AND BOROUGHS:

Total Deaths

Of the 27 cities and boroughs examined, Wilkes-Barre had the highest resident death rate in 1988 -- 18.0 per 1,000 population, followed by Hazleton and McKeesport, both with 17.7. Five-year summary death rates for 1984-88 showed McKeesport with the highest rate, followed by Johnstown, Wilkes Barre, Hazleton, and New Castle.

Infant Deaths

West Mifflin had the highest 1988 infant and neonatal death rates. State College had the second highest infant and neonatal death rates for 1988. Plum Borough, with only one resident infant death, had the lowest 1988 infant death rate among the 27 municipalities. In comparing the five-year summary (1984-88) infant and neonatal death rates for the municipalities, Chester had the highest infant death rate at 16.5 per 1,000 live births, followed by Philadelphia with a rate of 16.2 and Norristown with 16.1. The highest five-year summary neonatal death rate belonged to West Mifflin. Bethel Park had the lowest five-year infant and neonatal death rates.

Deaths by Race

Hazleton had no deaths to races other than white in 1988. Plum Borough had only one such death and both Lebanon and State College had two each. Philadelphia and Pittsburgh accounted for almost 75 percent of all non-white deaths in the state during 1988.

Leading Causes of Death

Hazleton and Wilkes Barre had heart disease death rates that were approximately twice as high as the state rate. Among the two major types of deaths due to unintentional injuries (motor-vehicle related and other, such as falls, drownings, etc.), Johnstown had the highest death rate involving motor-vehicle collisions and York had the highest death rate due to other unintentional injuries. Among Johnstown residents, the suicide death rate was 32.9, compared to 12.3 for the state. Sharon had the highest homicide resident death rate with 25.7, based on four deaths. The second highest was Philadelphia with 23.7, based on 391 homicides. Five municipalities experienced no homicides of residents in 1988. Lancaster had the highest death rate for HIV Infection, with nine resident deaths for a rate of 15.3 per 100,000 population. Philadelphia had 219 resident deaths due to HIV Infection and a rate of 13.3, the second highest.

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RESIDENT DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL, AND MATERNAL DEATHS: PENNSYLVANIA, 1950-1988

	TOTAL DEATHS	LIVE BIRTHS	FETAL DEATHS	INFANT DEATHS	NEONATAL DEATHS	MATERNAL DEATHS
YEAR	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1988	125,337	165,169	3,184	1,615	1,092	8
1987	124,986	162,348	3,212	1,654	1,164	8
1986	123,852	160,336	3,026	1,628	1,084	14
1985	123,233	160,001	3,015	1,734	1,201	11
1984	121,358	156,799	3,141	1,634	1,129	12
1983	121,066	157,810	3,198	1,764	1,229	10
1982	118,450	161,561	3,193	1,853	1,320	8
1981	119,612	160,179	3,061	1,902	1,357	7
1980	123,233	158,670	3,455	2,095	1,529	12
1979	117,097	157,533	3,608	2,118	1,548	12
1978	119,279	151,438	4,034	2,031	1,540	19
1977	118,853	153,415	4,058	2,137	1,608	19
1976	120,882	148,004	4,349	2,276	1,746	26
1975	120,459	148,942	3,848	2,423	1,855	10
1974	122,943	151,458	4,372	2,584	2,013	11
1973	126,483	153,272	4,229	2,607	1,980	21
1972	127,136	163,110	3,768	2,912	2,244	20
1971	126,597	180,939	4,079	3,314	2,548	36
1970	126,564	192,154	4,495	3,879	3,027	40
1969	126,704	185,046	3,668	3,865	3,003	37
1968	130,802	185,729	3,539	4,015	3,154	33
1967	125,494	188,706	3,589	4,158	3,261	48
1966	126,820	195,869	3,765	4,323	3,354	50
1965	125,670	204,105	3,922	4,737	3,592	44
1964	123,845	218,515	4,258	5,029	3,869	62
1963	126,199	221,537	4,329	5,178	3,979	69
1962	122,989	226,393	4,398	5,370	4,135	60
1961	120,543	240,172	4,646	5,639	4,357	71
1960	121,163	241,099	4,525	5,921	4,557	76
1959	119,206	246,615	4,666	6,145	4,725	71
1958	118,360	249,810	4,901	6,360	4,918	86
1957	118,734	254,997	4,977	6,240	4,785	78
1956	114,578	248,019	4,861	6,086	4,667	90
1955	113,458	242,591	4,939	5,962	4,649	94
1954	108,783	245,521	4,931	6,123	4,686	103
1953	112,574	239,206	4,321	6,147	4,640	132
1952	111,156	239,964	4,584	6,273	4,589	147
1951	111,426	235,074	4,596	6,117	4,618	151
1950	110,212	221,635	4,418	6,126	4,578	170

TABLE C-2
RATES* FOR DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL, AND MATERNAL DEATHS: PENNSYLVANIA AND UNITED STATES, 1950-1988

	TOTAL DEATH RATE		LIVE BIRTH RATE		FETAL DEATH RATE		INFANT DEATH RATE		NEONATAL DEATH RATE		MATERNAL DEATH RATE	
YEAR	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.
1988	10.4	8.8**	13.8	15.9**	18.9	***	9.8	9.9**	6.6	6.4**	0.5	0.8**
1987	10.5	8.7	13.6	15.7	19.4	***	10.2	10.1	7.2	6.5	0.5	0.7
1986	10.4	8.7	13.5	15.6	18.5	***	10.2	10.4	6.8	6.7	0.9	0.7
1985	10.4	8.7	13.5	15.8	18.5	***	10.8	10.6	7.5	7.0	0.7	0.8
1984	10.2	8.6	13.2	15.5	19.6	***	10.4	10.8	7.2	7.0	0.8	0.8
1983	10.2	8.6	13.3	15.5	19.9	***	11.2	11.2	7.8	7.3	0.6	0.8
1982	10.0	8.5	13.6	15.9	19.4	***	11.5	11.5	8.2	7.7	0.5	0.8
1981	10.1	8.6	13.5	15.8	18.8	***	11.9	11.9	8.5	8.0	0.4	0.9
1980	10.4	8.8	13.4	15.9	21.3	***	13.2	12.6	9.6	8.5	0.8	0.9
1979	10.0	8.5	13.4	15.6	22.4	***	13.4	13.1	9.8	8.9	0.8	1.0
1978	10.2	8.7	12.9	15.0	25.9	***	13.4	13.8	10.2	9.5	1.3	1.0
1977	10.0	8.6	13.0	15.1	25.8	***	13.9	14.1	10.4	9.9	1.2	1.1
1976	10.2	8.8	12.5	14.6	28.5	***	15.4	15.2	11.8	10.9	1.8	1.2
1975	10.2	8.8	12.6	14.6	25.2	***	16.3	16.1	12.5	11.6	0.7	1.3
1974	10.4	9.1	12.8	14.8	28.1	***	17.1	16.7	13.3	12.3	0.7	1.5
1973	10.6	9.3	12.9	14.8	26.9	***	17.0	17.7	12.9	13.0	1.4	1.5
1972	10.7	9.4	13.7	15.6	22.6	***	17.9	18.5	13.8	13.6	1.2	1.9
1971	10.7	9.3	15.1	17.2	22.0	***	18.3	19.1	14.1	14.2	2.0	1.9
1970	10.7	9.5	16.3	18.4	22.9	***	20.2	20.0	15.8	15.1	2.1	2.2
1969	10.7	9.5	15.7	17.9	19.4	***	20.9	20.9	16.2	15.6	2.0	2.2
1968	11.1	9.7	15.8	17.6	18.7	***	21.6	21.8	17.0	16.1	1.8	2.5
1967	10.8	9.4	16.2	17.8	18.7	***	22.0	22.4	17.3	16.5	2.5	2.8
1966	10.9	9.5	16.8	18.4	18.9	***	22.1	23.7	17.1	17.2	2.5	2.9
1965	10.9	9.4	17.7	19.4	18.9	***	23.2	24.7	17.6	17.7	2.2	3.2
1964	10.8	9.4	19.1	21.1	19.1	***	23.0	24.8	17.7	17.9	2.8	3.3
1963	11.0	9.6	19.4	21.7	19.2	***	23.4	25.2	17.5	18.2	3.1	3.6
1962	10.8	9.5	19.9	22.4	19.1	***	23.7	25.3	18.2	18.3	2.7	3.5
1961	10.5	9.3	20.9	23.3	19.0	***	23.5	25.3	18.1	18.4	3.0	3.7
1960	10.7	9.5	21.3	23.7	18.4	***	24.6	26.0	18.9	18.7	3.2	3.7
1959	10.5	9.4	21.8	24.2	18.6	***	24.9	26.4	19.2	19.0	2.9	3.7
1958	10.7	9.5	22.5	24.5	19.2	***	25.5	27.1	19.7	19.5	3.4	3.8
1957	10.6	9.6	22.8	25.3	19.1	***	24.5	26.3	18.8	19.1	3.1	4.1
1956	10.3	9.4	22.3	25.2	19.2	***	24.5	26.0	18.8	18.9	3.6	4.1
1955	10.2	9.3	21.8	25.0	20.0	***	24.6	26.4	19.2	19.1	3.9	4.7
1954	10.0	9.2	22.5	25.3	19.7	***	24.9	26.6	19.1	19.1	4.2	5.2
1953	10.4	9.6	22.1	25.1	17.7	***	25.7	27.8	19.4	19.6	5.5	6.1
1952	10.4	9.6	22.4	25.1	18.7	***	26.1	28.4	19.1	19.8	6.1	6.8
1951	10.5	9.7	22.2	24.9	19.2	***	26.0	28.4	19.6	20.0	6.4	7.5
1950	10.5	9.6	21.1	24.1	19.5	***	27.6	29.2	20.6	20.5	7.7	8.3

* TOTAL DEATH AND LIVE BIRTH RATES PER 1,000 POPULATION.
FETAL DEATH RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).
INFANT AND NEONATAL DEATH RATE PER 1,000 LIVE BIRTHS.
MATERNAL DEATH RATE PER 10,000 LIVE BIRTHS.
** PROVISIONAL DATA.
***COMPARABLE UNITED STATES FETAL DEATH RATES ARE NOT AVAILABLE.

FIGURE C−1
CRUDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950−1988

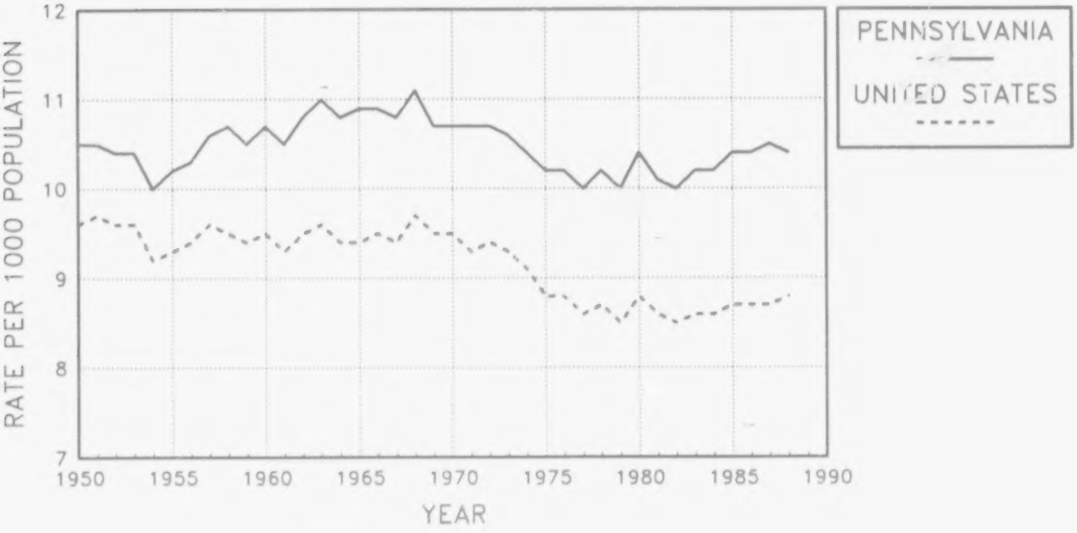

FIGURE C−2
INFANT AND NEONATAL DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950−1988

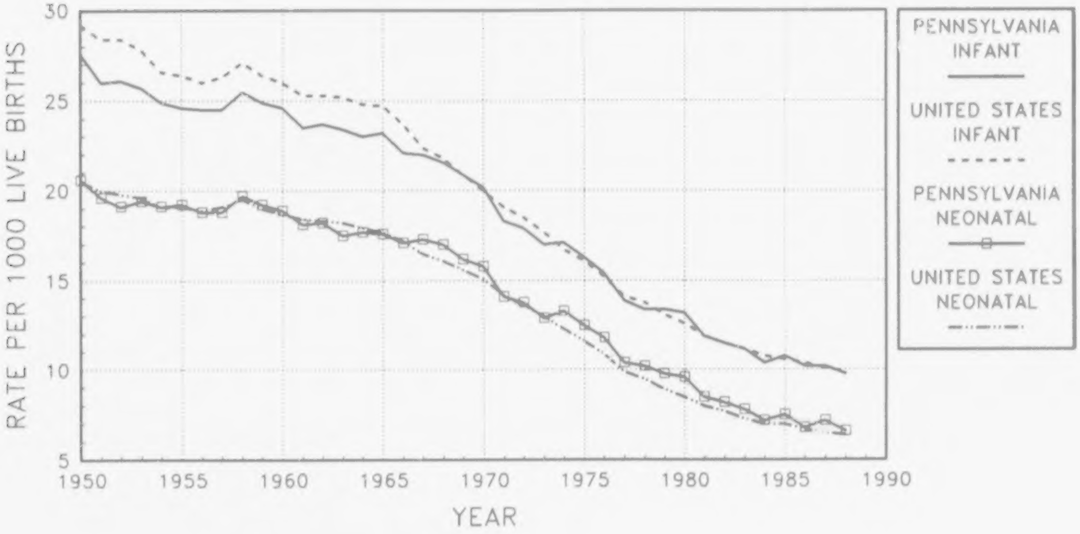

TABLE C-3
RESIDENT DEATHS BY AGE GROUP, NUMBER AND RATE*: PENNSYLVANIA, 1988, 1980, 1970, 1960, 1950, 1940

AGE GROUP (IN YEARS)	1988		1980		1970		1960		1950		1940	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	125,337	10.4	123,233	10.4	126,564	10.7	121,163	10.7	110,212	10.5	111,977	11.3
UNDER 5	1,926	2.4	2,435	3.3	4,430	4.8	6,746	5.7	7,107	6.9	8,745	12.0
5-9	186	0.2	222	0.3	468	0.4	482	0.4	459	0.5	792	1.0
10-14	165	0.2	229	0.2	424	0.4	378	0.4	392	0.5	833	0.9
15-19	588	0.7	879	0.8	945	0.9	588	0.7	645	0.9	1,359	1.4
20-24	941	1.0	1,251	1.2	1,104	1.3	620	1.0	961	1.2	1,832	2.0
25-29	1,093	1.1	1,058	1.1	863	1.2	674	1.0	1,187	1.4	2,068	2.5
30-34	1,296	1.3	1,069	1.3	934	1.5	1,026	1.3	1,499	1.8	2,346	3.1
35-39	1,540	1.7	1,154	1.7	1,398	2.2	1,809	2.2	2,109	2.6	2,925	4.2
40-44	1,721	2.2	1,573	2.7	2,625	3.5	2,829	3.6	3,244	4.5	4,001	6.1
45-49	2,307	3.6	2,714	4.5	4,372	5.6	4,464	6.0	4,632	7.3	5,854	9.2
50-54	3,336	5.9	4,868	7.0	6,630	9.0	6,354	9.8	6,514	10.9	7,809	13.9
55-59	5,668	9.7	7,826	11.0	9,412	14.3	8,488	14.9	9,235	17.2	9,320	20.5
60-64	9,905	16.2	11,226	17.7	12,115	21.6	11,863	24.1	11,760	26.0	11,150	30.3
65-69	13,701	25.3	14,379	26.8	14,393	32.6	15,255	35.4	13,617	37.6	12,688	44.4
70-74	17,112	39.2	16,533	40.6	16,871	48.3	17,124	52.6	14,282	57.5	13,129	66.4
75-79	18,815	57.5	17,174	60.9	18,313	74.3	16,437	79.8	13,466	86.9	11,917	105.0
80-84	18,110	85.8	16,393	93.7	15,772	109.5	13,483	127.4	10,565	128.3	8,803	157.1
85+ **	26,929	117.4	22,250	171.2	15,495	169.2	12,543	206.5	8,538	217.1	6,406	260.8

* RATE PER 1,000 POPULATION IN EACH AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

FIGURE C-3
RESIDENT DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1940, 1950, 1960, 1970, 1980, AND 1988

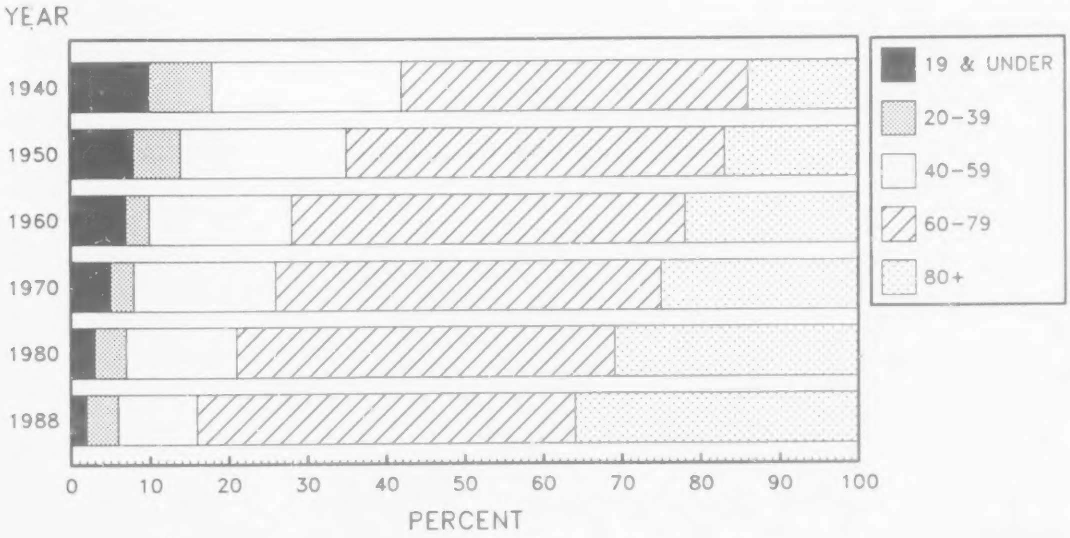

TABLE C-4A
RESIDENT DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	125,337	63,226	62,111	113,214	56,718	56,496	12,123	6,508	5,615
UNDER 5	1,926	1,080	846	1,334	771	563	592	309	283
5-9	186	111	75	147	85	62	39	26	13
10-14	165	116	49	126	93	33	39	23	16
15-19	588	419	169	471	333	138	117	86	31
20-24	941	720	221	766	586	180	175	134	41
25-29	1,093	818	275	862	646	216	231	172	59
30-34	1,294	912	382	1,007	716	291	287	196	91
35-39	1,540	1,051	489	1,161	786	375	379	265	114
40-44	1,721	1,141	580	1,374	913	461	347	228	119
45-49	2,307	1,448	859	1,851	1,160	691	456	288	168
50-54	3,336	2,023	1,313	2,758	1,684	1,074	578	339	239
55-59	5,668	3,539	2,129	4,846	3,039	1,807	822	500	322
60-64	9,905	6,006	3,899	8,640	5,261	3,379	1,265	745	520
65-69	13,701	8,055	5,646	12,300	7,242	5,058	1,401	813	588
70-74	17,112	9,487	7,625	15,730	8,788	6,942	1,382	699	683
75-79	18,815	9,608	9,207	17,380	8,926	8,454	1,435	682	753
80-84	18,110	8,061	10,049	16,965	7,575	9,390	1,145	486	659
85+ ***	26,929	8,631	18,298	25,496	8,114	17,382	1,433	517	916

TABLE C-4B
RESIDENT DEATH RATES BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	10.4	11.0	9.9	10.5	11.0	10.1	9.7	11.2	8.4
UNDER 5	2.4	2.6	2.1	1.9	2.2	1.7	5.0	5.1	4.8
5-9	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.5	0.3
10-14	0.2	0.3	0.1	0.2	0.3	0.1	0.4	0.5	0.3
15-19	0.7	0.9	0.4	0.6	0.8	0.4	1.1	1.6	0.6
20-24	1.0	1.5	0.5	0.9	1.4	0.4	1.5	2.4	0.7
25-29	1.1	1.7	0.6	1.0	1.5	0.5	2.0	3.0	1.0
30-34	1.3	1.9	0.8	1.1	1.6	0.7	2.7	4.0	1.6
35-39	1.7	2.4	1.1	1.4	2.0	0.9	4.3	6.6	2.4
40-44	2.2	3.0	1.5	2.0	2.7	1.3	4.7	6.8	2.9
45-49	3.6	4.8	2.6	3.2	4.2	2.3	7.6	11.2	4.9
50-54	5.9	7.5	4.4	5.3	6.8	4.0	11.0	15.2	7.9
55-59	9.7	13.0	6.8	9.1	12.1	6.4	16.5	24.0	11.1
60-64	16.2	21.6	11.7	15.3	20.3	11.0	26.8	38.3	18.8
65-69	25.3	34.2	18.4	24.4	33.0	17.8	36.3	51.8	25.7
70-74	39.2	53.4	29.5	38.6	52.8	28.8	48.0	62.7	38.7
75-79	57.5	77.4	45.4	56.9	76.7	44.7	66.7	86.9	55.1
80-84	85.8	109.1	73.2	86.1	110.0	73.3	80.3	96.4	71.5
85+ ***	117.4	116.4	117.9	119.8	118.4	120.4	87.2	92.1	84.7

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

NOTE: RATES PER 1,000 ESTIMATED 1988 POPULATION FOR EACH RACE AND SEX BY AGE GROUP.

TABLE C-5
AGE-ADJUSTED DEATH RATES* BY SEX,
PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1988

	PENNSYLVANIA			UNITED STATES		
YEAR	TOTAL	MALE**	FEMALE	TOTAL	MALE	FEMALE
1988	5.5	7.2	4.1	5.4***	7.0***	4.0***
1987	5.6	7.2	4.2	5.4***	7.0***	4.0***
1986	5.5	7.2	4.2	5.4	7.1	4.1
1985	5.6	7.4	4.2	5.5	7.2	4.1
1984	5.6	7.4	4.2	5.5	7.2	4.1
1983	5.7	7.5	4.3	5.5	7.3	4.1
1982	5.7	7.3	4.1	5.5	7.3	4.1
1981	5.9	7.7	4.4	5.7	7.5	4.2
1980	6.1	8.2	4.6	5.9	7.8	4.3
1979	6.0	8.0	4.4	5.8	7.7	4.2
1978	6.2	8.2	4.6	6.0	7.9	4.4
1977	6.3	8.4	4.7	6.0	8.0	4.4
1976	6.5	8.6	4.7	6.2	8.2	4.6
1975	6.6	8.7	4.9	6.3	8.4	4.6
1974	6.8	9.0	5.1	6.6	8.7	4.9
1973	7.1	9.4	5.3	6.9	9.1	5.1
1972	7.2	9.5	5.4	7.0	9.2	5.2
1971	7.3	9.5	5.5	7.0	9.1	5.2
1970	7.5	9.6	5.7	7.1	9.3	5.3
1960	8.0	9.9	6.7	7.6	9.5	5.9
1950	8.9	10.5	7.5	8.4	10.0	6.9

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.

** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

***PROVISIONAL.

NOTE: THE AGE-ADJUSTED RATES BY SEX FOR PENNSYLVANIA THAT APPEARED IN THE 1985, 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. THE AGE-ADJUSTED RATES BY SEX FOR THE STATE LISTED ABOVE FOR THE YEARS 1950-1987 SHOULD BE USED IN PLACE OF THOSE PREVIOUSLY PUBLISHED FIGURES.

FIGURE C-4
AGE-ADJUSTED DEATH RATES BY SEX
PENNSYLVANIA AND UNITED STATES, 1970-1988

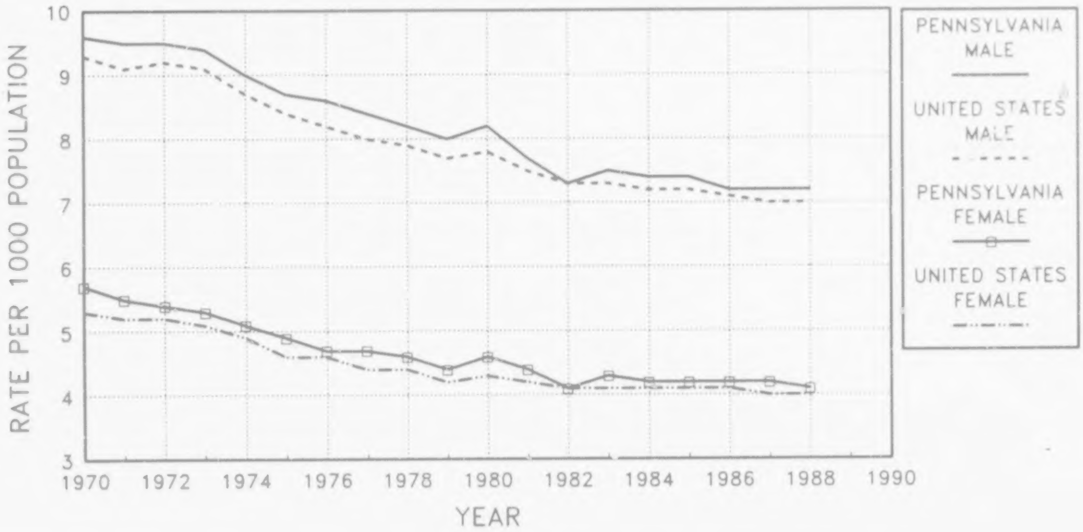

TABLE C-6
AGE-ADJUSTED DEATH RATES* BY RACE, PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1988

	PENNSYLVANIA			UNITED STATES		
YEAR	ALL RACES	WHITE**	ALL OTHER RACES	ALL RACES	WHITE	ALL OTHER RACES
1988	5.5	5.2	7.8	5.4***	5.1***	6.7***
1987	5.6	5.3	7.8	5.4***	5.1***	6.7***
1986	5.5	5.3	7.7	5.4	5.2	6.9
1985	5.6	5.4	7.7	5.5	5.2	7.0
1984	5.6	5.4	7.8	5.5	5.2	6.9
1983	5.7	5.5	7.5	5.5	5.3	7.0
1982	5.7	5.5	7.7	5.5	5.3	7.0
1981	5.9	5.6	7.9	5.7	5.4	7.3
1980	6.1	5.9	8.4	5.9	5.6	7.7
1979	6.0	5.7	8.0	5.8	5.5	7.6
1978	6.2	6.0	8.5	6.0	5.7	7.8
1977	6.3	6.0	9.0	6.0	5.8	8.0
1976	6.5	6.2	9.0	6.2	5.9	8.2
1975	6.6	6.3	9.2	6.3	6.0	8.4
1974	6.8	6.5	9.8	6.6	6.3	8.9
1973	7.1	6.8	10.2	6.9	6.5	9.4
1972	7.2	6.9	10.6	7.0	6.6	9.6
1971	7.3	7.0	10.6	7.0	6.6	9.6
1970	7.5	7.1	10.8	7.1	6.8	9.8
1960	8.0	7.8	10.6	7.6	7.3	10.5
1950	8.9	8.7	13.2	8.4	8.0	12.3

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***PROVISIONAL.

NOTE: THE AGE-ADJUSTED RATES BY RACE FOR PENNSYLVANIA THAT APPEARED IN THE 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. THE AGE-ADJUSTED RATES BY RACE FOR THE STATE LISTED ABOVE FOR THE YEARS 1950-1987 SHOULD BE USED IN PLACE OF THOSE PREVIOUSLY PUBLISHED FIGURES.

FIGURE C-5
AGE-ADJUSTED DEATH RATES BY RACE PENNSYLVANIA AND UNITED STATES, 1970-1988

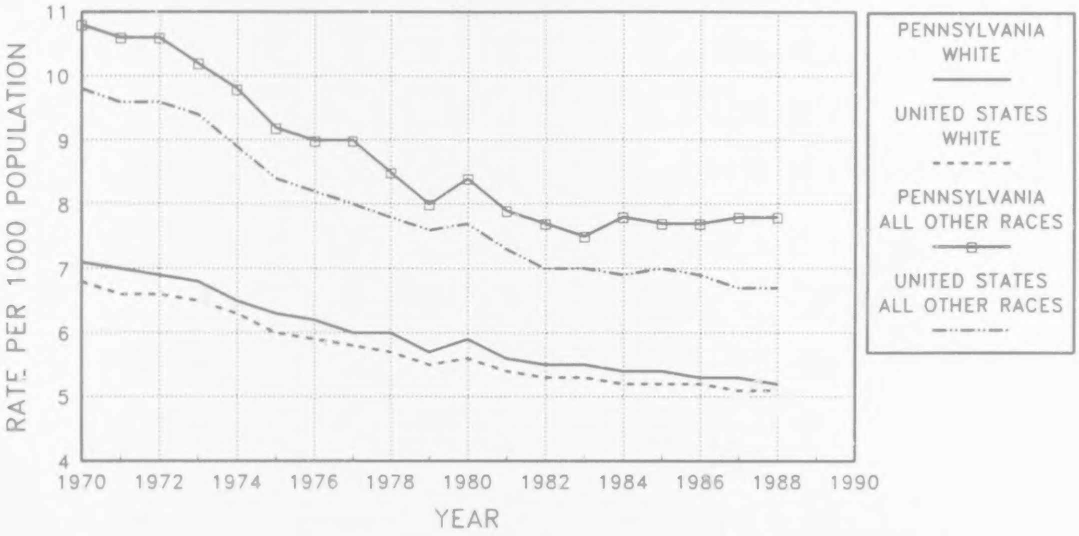

FIGURE C-6
VITAL EVENTS SUMMARY CHART

THE FOLLOWING FIGURES REPRESENT AN AVERAGE DAY OF VITAL EVENTS IN 1988 FOR PENNSYLVANIA RESIDENTS:

ESTIMATED POPULATION AS OF JULY 1, 1988 12,002,236

	NUMBER PER DAY
LIVE BIRTHS	451
DEATHS	342
ABORTIONS*	139
MARRIAGES*	240
DIVORCES*	107

BY AGE AT DEATH**	NUMBER PER DAY
LESS THAN 28 DAYS	3
28-364 DAYS	1
1-19 YEARS	3
20-34 YEARS	9
35-49 YEARS	15
50-64 YEARS	52
65-74 YEARS	84
75 AND OVER	174

BY CAUSE OF DEATH	NUMBER PER DAY
HEART DISEASE	131
CANCER	77
CEREBROVASCULAR DISEASE	22
UNINTENTIONAL INJURIES	12
MOTOR VEHICLE	5
NON-MOTOR VEHICLE	7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	12
PNEUMONIA AND INFLUENZA	11
DIABETES MELLITUS	7
SEPTICEMIA	5
NEPHRITIS, NEPHROSIS, ETC.	4
SUICIDE	4
ALL OTHER CAUSES	57

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* FIGURES FOR ABORTIONS, MARRIAGES AND DIVORCES ARE OCCURRENCE DATA.
** COLUMN DOES NOT EQUAL TOTAL DEATHS PER DAY DUE TO ROUNDING.

TABLE C-7A
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY RACE
PENNSYLVANIA, 1980-1988

	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
YEAR	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES
1988	1,615	1,090	525	1,092	747	345	523	343	180
1987	1,654	1,100	554	1,164	790	374	490	310	180
1986	1,628	1,154	474	1,084	764	320	544	390	154
1985	1,734	1,276	458	1,201	896	305	533	380	153
1984	1,634	1,186	448	1,129	822	307	505	364	141
1983	1,764	1,325	439	1,229	932	297	535	393	142
1982	1,853	1,413	440	1,320	1,024	296	533	389	144
1981	1,902	1,465	437	1,357	1,059	298	545	406	139
1980	2,095	1,620	475	1,529	1,204	325	566	416	150

TABLE C-7B
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL DEATH RATES** BY RACE
PENNSYLVANIA, 1980-1988

	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
YEAR	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES
1988	9.8	8.0	18.4	6.6	5.5	12.1	3.2	2.5	6.3
1987	10.2	8.1	20.4	7.2	5.8	13.8	3.0	2.3	6.6
1986	10.2	8.6	18.3	6.8	5.7	12.4	3.4	2.9	6.0
1985	10.8	9.4	18.8	7.5	6.6	12.5	3.3	2.8	6.3
1984	10.4	8.8	20.0	7.2	6.1	13.7	3.2	2.7	6.3
1983	11.2	9.8	19.4	7.8	6.9	13.1	3.4	2.9	6.3
1982	11.5	10.2	19.2	8.2	7.4	12.9	3.3	2.8	6.3
1981	11.9	10.6	19.3	8.5	7.7	13.2	3.4	3.0	6.1
1980	13.2	11.8	21.9	9.6	8.8	15.0	3.6	3.0	6.9

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**RATE PER 1,000 LIVE BIRTHS FOR EACH RACE.

FIGURE C-7A
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL
DEATH RATES, PENNSYLVANIA, 1980-1988

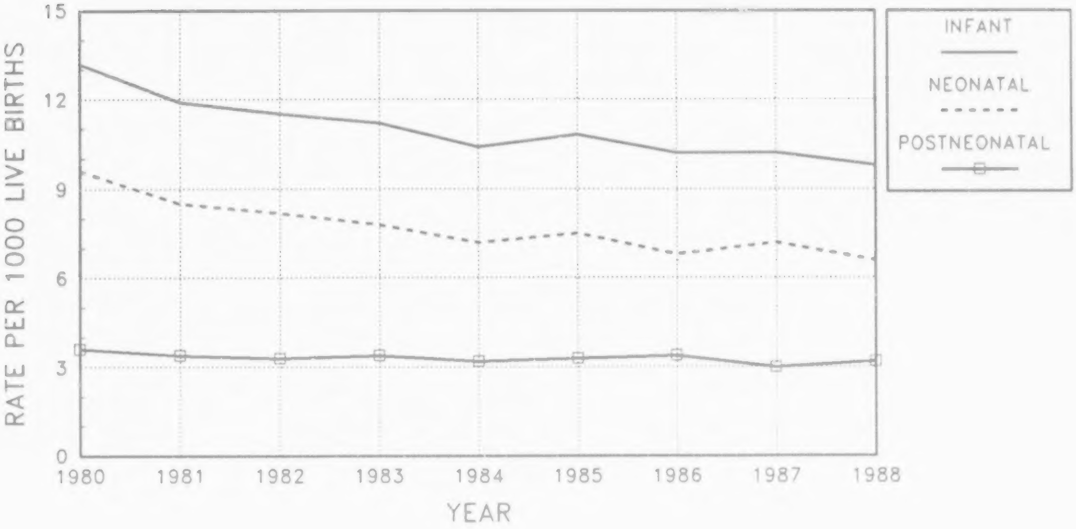


FIGURE C-7B
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL
DEATH RATES BY RACE, PENNSYLVANIA, 1988

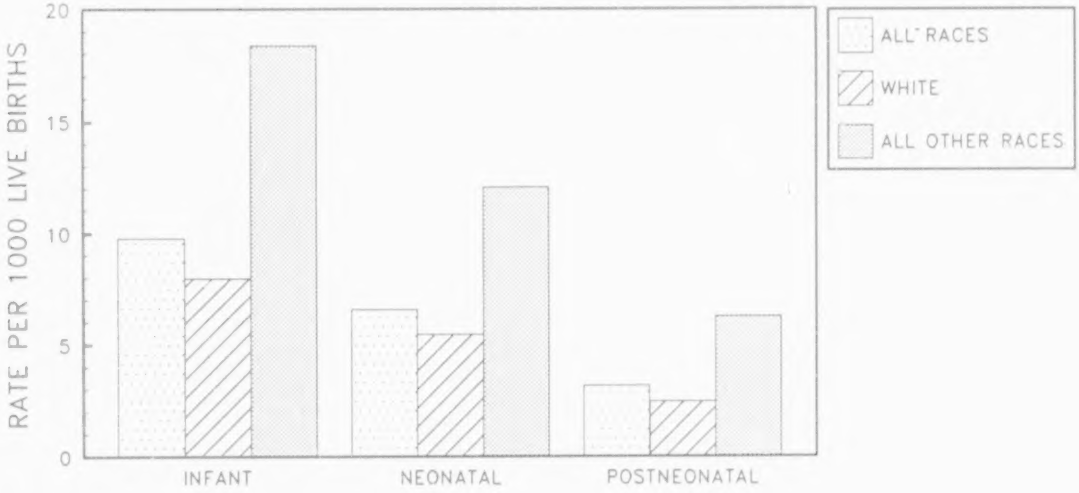


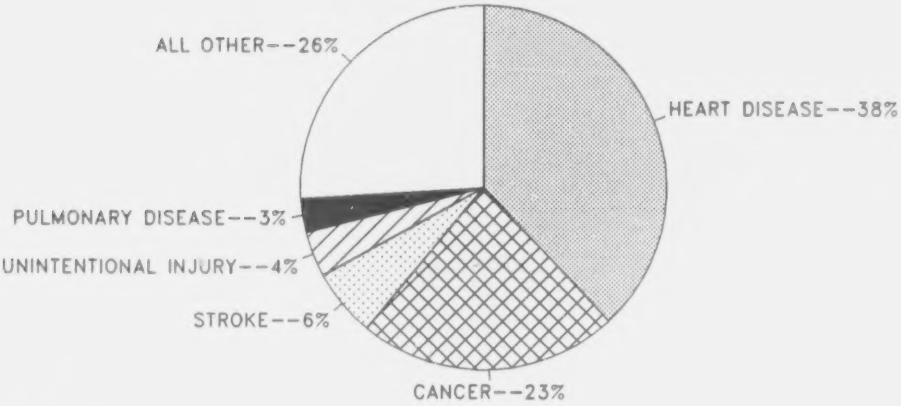
TABLE C-8
LEADING CAUSES OF DEATH,
PENNSYLVANIA RESIDENTS, 1988, 1980, 1970, 1960, 1950, 1940

CAUSE OF DEATH*	1988		1980		1970		1960		1950		1940	
	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	125,337		123,233		126,564		121,163		110,212		111,977	
HEART DISEASE	47,810	1	50,677	1	52,476	1	51,431	1	43,793	1	34,333	1
NEOPLASMS, MALIGNANT	28,316	2	26,040	2	22,013	2	19,612	2	16,326	2	13,055	2
CEREBROVASCULAR DIS.	8,036	3	9,539	3	12,573	3	12,632	3	11,043	3	8,857	4
UNINTENTIONAL INJURIES	4,437	4	4,586	4	5,336	4	4,866	4	5,697	4	7,206	5
CHRONIC OBSTRUCTIVE PULMONARY DIS.	4,303	5	3,263	5	**		**		**		**	
PNEUMONIA AND INFLUENZA	3,990	6	2,869	6	3,466	5	3,889	5	3,116	6	6,712	6
DIABETES MELLITUS	2,614	7	2,599	7	2,819	6	2,779	8	2,418	10	3,617	9
SEPTICEMIA	1,894	8	803		215		121		42		**	
NEPHRITIS AND NEPHROSIS	1,605	9	1,109		530		938		2,498	8	9,728	3
SUICIDE	1,479	10	1,317	10	1,337	10	1,099		1,001		1,312	
LIVER DISEASE AND CIRRHOSIS	1,226		1,625	9	1,846	9	1,321	9	1,099		950	
ATHEROSCLEROSIS	1,038		1,837	8	2,320	8	2,899	7	2,723	7	**	
PERINATAL CONDITIONS	841		1,194		2,391	7	3,820	6	3,835	5	3,679	8
CONGENITAL ANOMALIES	558		661		984		1,266	10	1,177		1,119	
TUBERCULOSIS, ALL FORMS	71		123		414		902		2,474	9	4,252	7
SYPHILIS AND SEQUELAE	3		9		36		242		402		1,325	10
ALL OTHER	17,116		15,785		18,023		13,466		12,603		15,788	

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975. THE ICD CODES USED FOR SYPHILIS AND SEQUELAE WERE 090-097. SEE TECHNICAL NOTES FOR ALL OTHER CAUSE OF DEATH ICD CODES.

**DATA NOT AVAILABLE.

FIGURE C-8
RESIDENT DEATHS, PERCENT BY FIVE LEADING CAUSES
PENNSYLVANIA, 1988 AND 1940



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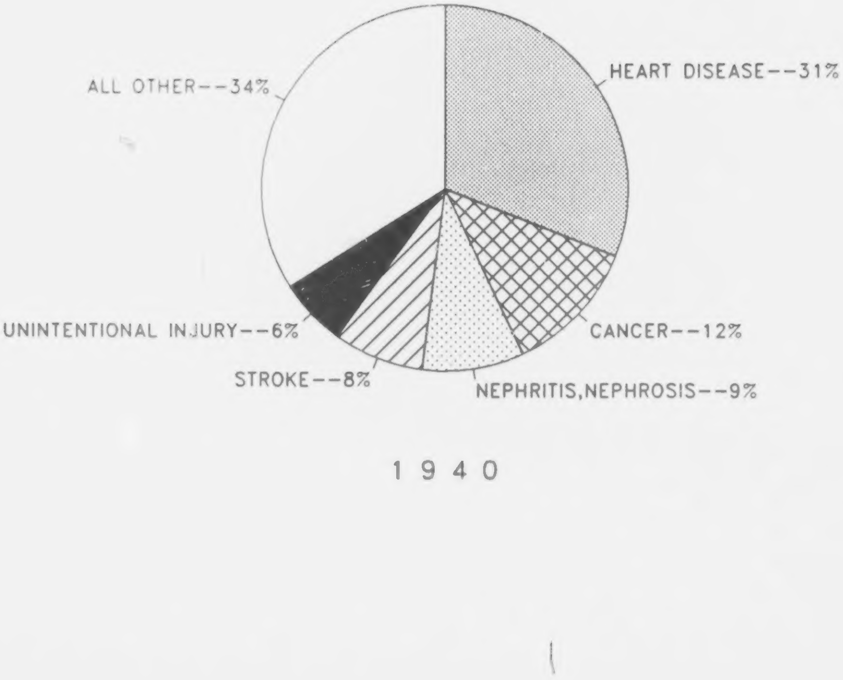

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TABLE C-9
MEDIAN AGE AT DEATH FOR SELECTED LEADING CAUSES BY RACE AND SEX
PENNSYLVANIA RESIDENTS, 1988

	MEDIAN AGE AT DEATH								
	ALL RACES			WHITE*			ALL OTHER RACES		
CAUSE OF DEATH	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL CAUSES	75.3	72.3	78.6	75.9	72.9	79.2	67.6	64.6	71.6
HEART DISEASE	78.0	74.2	81.6	78.3	74.5	81.9	72.7	69.1	75.4
MALIGNANT NEOPLASMS	71.0	70.5	71.7	71.3	70.8	72.0	67.6	67.5	67.7
CEREBROVASCULAR DISEASE	80.2	76.9	82.3	80.8	77.4	82.8	73.0	69.2	75.7
UNINTENTIONAL INJURIES	44.7	37.9	66.3	45.7	37.9	68.1	39.3	38.4	46.4
NON-MOTOR VEHICLE	63.4	48.7	76.8	66.5	53.1	77.8	44.4	40.7	59.0
MOTOR VEHICLE	31.8	29.9	36.1	31.8	29.9	37.1	29.9	29.9	30.6
CHRONIC OBSTR. PULM. DIS.	75.2	75.1	75.4	75.5	75.4	75.7	70.1	70.8	69.1
PNEUMONIA & INFLUENZA	82.8	79.4	85.9	83.4	80.4	86.3	75.0	72.6	78.2
DIABETES MELLITUS	74.5	71.9	76.1	74.9	72.7	76.6	70.4	67.7	72.3
SEPTICEMIA	79.3	77.1	81.1	80.4	78.4	81.7	74.5	69.6	77.8
NEPHRITIS, NEPHROSIS, ETC.	79.0	77.5	80.4	79.7	78.0	81.0	74.4	71.4	75.2
SUICIDE	40.5	40.1	42.2	41.2	40.8	44.6	31.8	31.6	32.8
LIVER DISEASE & CIRRHOSIS	63.5	61.9	66.4	64.7	63.2	67.5	51.5	50.3	60.4
ATHEROSCLEROSIS	85.7	82.5	87.7	85.8	82.5	87.7	83.8	80.0	87.2
AORTIC ANEURYSM	76.0	74.9	77.8	76.3	75.0	78.2	69.7	69.0	70.1
HOMICIDE & LEGAL INTERV.	29.0	28.3	31.3	32.1	31.2	33.7	27.8	27.5	28.8
PNEUMOCONIOSIS	77.3	77.2	-	77.4	77.3	-	-	-	-
HIV INFECTION	36.1	35.9	37.6	38.1	37.5	41.7	34.2	34.3	33.6

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: MEDIAN AGE FOR CATEGORIES WITH 10 DEATHS OR LESS ARE NOT CALCULATED AND ARE INDICATED WITH A DASH (-).

TABLE C-10A
SELECTED CAUSES OF DEATH BY AGE GROUP
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	125,337		1,926		1,880		5,648		21,216		67,738		26,929	
HEART DISEASE	47,810	1	59	4	64	5	769	3	6,888	2	27,024	1	13,006	1
MALIGNANT NEOPLASMS	28,316	2	27	7	129	4	962	2	7,602	1	16,850	2	2,746	2
CEREBROVASCULAR DISEASE	8,036	3	8		15	10	137	8	794	3	4,517	3	2,565	3
UNINTENTIONAL INJURIES	4,437	4	124	3	907	1	1,198	1	670	4	1,111	7	427	10
NON-MOTOR VEHICLE	2,479		93		237		582		379		796		392	
MOTOR VEHICLE	1,958		31		670		616		291		315		35	
CHRONIC OBSTR. PULM. DIS.	4,303	5	2		10		35		580	5	3,067	4	609	5
PNEUMONIA & INFLUENZA	3,990	6	31	5	16	9	74	10	262	9	1,942	5	1,665	4
DIABETES MELLITUS	2,614	7	0		3		88	9	506	7	1,538	6	479	8
SEPTICEMIA	1,894	8	10	8	6		46		210	10	1,061	8	561	6
NEPHRITIS, NEPHROSIS, ETC.	1,605	9	6		4		39		178		912	9	466	9
SUICIDE	1,479	10	0		243	2	588	4	341	8	290		17	
LIVER DISEASE & CIRRHOSIS	1,226		0		1		148	7	526	6	518		33	
ATHEROSCLEROSIS	1,038		0		0		3		35		450		550	7
AORTIC ANEURYSM	942		0		2		12		135		640	10	153	
PERINATAL CONDITIONS	841		840	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	666		31	5	197	3	293	6	88		49		8	
CONGENITAL ANOMALIES	558		387	2	44	6	49		40		33		5	
PNEUMOCONIOSIS	471		0		0		0		25		378		68	
HIV INFECTION	466		10	8	19	7	333	5	90		14		0	
HYPERTENSION	445		0		0		9		68		251		117	
BENIGN/UNSPEC. NEOPLASMS	420		10	8	17	8	20		99		217		57	
PARKINSONS DISEASE	365		0		0		1		17		240		107	
HERNIA/INTESTINAL OBSTR.	305		6		0		10		28		143		118	
ULCERS OF STOMACH/DUODENUM	302		1		0		6		39		180		76	
ANEMIAS	223		0		7		7		26		108		75	
NUTRITIONAL DEFICIENCIES	176		1		0		4		6		70		95	
GALL BLADDER DISORDERS	150		0		0		4		16		76		54	
ALCOHOLISM	139		0		0		38		72		29		0	
DISEASES OF PANCREAS	135		0		0		13		36		62		24	
MULTIPLE SCLEROSIS	104		0		1		20		51		31		1	
EPILEPSY	99		3		11		36		19		22		8	
VENOUS EMBOLISM & THROMB.	78		0		0		6		17		39		16	
TUBERCULOSIS	71		0		0		10		9		40		12	
MENINGITIS	55		10	8	4		6		7		25		3	
INFECTIONS OF KIDNEY	47		0		0		1		5		26		15	
ALL OTHER CAUSES	11,531		360		179		683		1,731		5,785		2,793	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10B
SELECTED CAUSES OF DEATH BY AGE GROUP - MALES*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER**	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	63,226		1,080		1,366		3,922		13,016		35,211		8,631	
HEART DISEASE	23,300	1	31	4	36	5	569	2	4,748	1	14,087	1	3,829	1
MALIGNANT NEOPLASMS	14,810	2	17	6	76	4	440	4	4,097	2	9,036	2	1,144	2
CEREBROVASCULAR DISEASE	3,204	3	3		8	10	77	8	442	4	1,985	3	689	3
UNINTENTIONAL INJURIES	2,941	4	76	3	677	1	952	1	466	3	598	7	172	7
NON-MOTOR VEHICLE	1,582		57		187		489		273		420		156	
MOTOR VEHICLE	1,359		19		490		463		193		178		16	
CHRONIC OBSTR. PULM. DIS.	2,539	5	1		6		20		345	6	1,822	4	345	5
PNEUMONIA & INFLUENZA	1,897	6	18	5	12	8	43	10	167	9	1,102	5	555	4
DIABETES MELLITUS	1,059	8	0		3		53	9	236	8	635	6	132	10
SEPTICEMIA	796	9	8	8	4		27		117	10	467	8	173	6
NEPHRITIS, NEPHROSIS, ETC.	738		1		3		27		98		437	9	172	7
SUICIDE	1,210	7	0		213	2	475	3	270	7	240		12	
LIVER DISEASE & CIRRHOSIS	785	10	0		1		109	7	366	5	294		15	
ATHEROSCLEROSIS	376		0		0		1		21		213		141	9
AORTIC ANEURYSM	597		0		1		10		96		415	10	75	
PERINATAL CONDITIONS	473		472	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	479		17	6	159	3	202	6	67		31		3	
CONGENITAL ANOMALIES	293		205	2	20	6	32		19		16		1	
PNEUMOCONIOSIS	463		0		0		0		25		373		65	
HIV INFECTION	428		7	9	18	7	310	5	81		12		0	
HYPERTENSION	179		0		0		6		37		115		21	
BENIGN/UNSPEC. NEOPLASMS	195		6	10	8	10	11		61		89		20	
PARKINSONS DISEASE	210		0		0		0		10		156		44	
HERNIA/INTESTINAL OBSTR.	112		3		0		7		17		60		25	
ULCERS OF STOMACH/DUODENUM	141		1		0		5		21		90		24	
ANEMIAS	97		0		3		5		10		53		26	
NUTRITIONAL DEFICIENCIES	62		0		0		2		2		31		27	
GALL BLADDER DISORDERS	61		0		0		1		8		34		18	
ALCOHOLISM	109		0		0		30		56		23		0	
DISEASES OF PANCREAS	72		0		0		11		29		28		4	
MULTIPLE SCLEROSIS	44		0		0		9		22		13		0	
EPILEPSY	58		2		9	9	27		12		5		3	
VENOUS EMBOLISM & THROMB.	35		0		0		5		8		20		2	
TUBERCULOSIS	44		0		0		6		7		22		9	
MENINGITIS	31		5		3		5		5		11		2	
INFECTIONS OF KIDNEY	16		0		0		1		3		6		6	
ALL OTHER CAUSES	5,372		207		105		444		1,047		2,692		877	

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* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10C
SELECTED CAUSES OF DEATH BY AGE GROUP - FEMALES
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	62,111		846		514		1,726		8,200		32,527		18,298	
HEART DISEASE	24,510	1	28	4	28	5	200	3	2,140	2	12,937	1	9,177	1
MALIGNANT NEOPLASMS	13,506	2	10	7	53	2	522	1	3,505	1	7,814	2	1,602	3
CEREBROVASCULAR DISEASE	4,832	3	5	8	7	8	60	6	352	3	2,532	3	1,876	2
UNINTENTIONAL INJURIES	1,496	7	48	3	230	1	246	2	204	6	513	8	255	10
NON-MOTOR VEHICLE	897		36		50		93		106		376		236	
MOTOR VEHICLE	599		12		180		153		98		137		19	
CHRONIC OBSTR. PULM. DIS.	1,764	5	1		4	9	15		235	5	1,245	4	264	9
PNEUMONIA & INFLUENZA	2,093	4	13	6	4	9	31	9	95	8	840	6	1,110	4
DIABETES MELLITUS	1,555	6	0		0		35	8	270	4	903	5	347	7
SEPTICEMIA	1,098	8	2		2		19		93	9	594	7	388	6
NEPHRITIS, NEPHROSIS, ETC.	867	9	5	8	1		12		80	10	475	9	294	8
SUICIDE	269		0		30	4	113	4	71		50		5	
LIVER DISEASE & CIRRHOSIS	441		0		0		39	7	160	7	224		18	
ATHEROSCLEROSIS	662	10	0		0		2		14		237	10	409	5
AORTIC ANEURYSM	345		0		1		2		39		225		78	
PERINATAL CONDITIONS	368		368	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	187		14	5	38	3	91	5	21		18		5	
CONGENITAL ANOMALIES	265		182	2	24	6	17		21		17		4	
PNEUMOCONIOSIS	8		0		0		0		0		5		3	
HIV INFECTION	38		3		1		23	10	9		2		0	
HYPERTENSION	266		0		0		3		31		136		96	
BENIGN/UNSPEC. NEOPLASMS	225		4		9	7	9		38		128		37	
PARKINSONS DISEASE	155		0		0		1		7		84		63	
HERNIA/INTESTINAL OBSTR.	193		3		0		3		11		83		93	
ULCERS OF STOMACH/DUODENUM	161		0		0		1		18		90		52	
ANEMIAS	126		0		4	9	2		16		55		49	
NUTRITIONAL DEFICIENCIES	114		1		0		2		4		39		68	
GALL BLADDER DISORDERS	89		0		0		3		8		42		36	
ALCOHOLISM	30		0		0		8		16		6		0	
DISEASES OF PANCREAS	63		0		0		2		7		34		20	
MULTIPLE SCLEROSIS	60		0		1		11		29		18		1	
EPILEPSY	41		1		2		9		7		17		5	
VENOUS EMBOLISM & THROMB.	43		0		0		1		9		19		14	
TUBERCULOSIS	27		0		0		4		2		18		3	
MENINGITIS	24		5	8	1		1		2		14		1	
INFECTIONS OF KIDNEY	31		0		0		0		2		20		9	
ALL OTHER CAUSES	6,159		153		74		239		684		3,093		1,916	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10D
SELECTED CAUSES OF DEATH BY AGE GROUP - WHITE RACE*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER**	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	113,214		1,334		1,510		4,404		18,095		62,375		25,496	
HEART DISEASE	44,345	1	48	4	53	5	633	3	5,990	2	25,199	1	12,422	1
MALIGNANT NEOPLASMS	25,704	2	23	5	110	3	822	2	6,676	1	15,522	2	2,551	2
CEREBROVASCULAR DISEASE	7,298	3	7	10	10	9	90	7	619	3	4,131	3	2,441	3
UNINTENTIONAL INJURIES	3,911	5	94	3	806	1	1,032	1	567	4	1,009	7	403	10
NON-MOTOR VEHICLE	2,091		67		190		457		302		707		368	
MOTOR VEHICLE	1,820		27		616		575		265		302		35	
CHRONIC OBSTR. PULM. DIS.	4,014	4	2		6		20		506	5	2,887	4	593	5
PNEUMONIA & INFLUENZA	3,681	6	21	6	14	8	49	10	212	9	1,782	5	1,603	4
DIABETES MELLITUS	2,306	7	0		2		70	9	420	7	1,369	6	445	8
SEPTICEMIA	1,561	8	5		4		33		149	10	875	8	495	7
NEPHRITIS, NEPHROSIS, ETC.	1,393	9	4		3		29		132		793	9	432	9
SUICIDE	1,369	10	0		214	2	530	4	322	8	286		17	
LIVER DISEASE & CIRRHOSIS	1,040		0		0		89	8	441	6	479		31	
ATHEROSCLEROSIS	993		0		0		3		33		428		529	6
AORTIC ANEURYSM	901		0		1		9		121		622	10	148	
PERINATAL CONDITIONS	552		551	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	309		19	7	71	4	136	6	48		28		7	
CONGENITAL ANOMALIES	461		309	2	38	6	42		38		29		5	
PNEUMOCONIOSIS	464		0		0		0		25		372		67	
HIV INFECTION	291		3		8	10	211	5	58		11		0	
HYPERTENSION	371		0		0		5		41		221		104	
BENIGN/UNSPEC. NEOPLASMS	393		9	8	15	7	19		87		207		56	
PARKINSONS DISEASE	339		0		0		1		12		224		102	
HERNIA/INTESTINAL OBSTR.	276		3		0		7		21		130		115	
ULCERS OF STOMACH/DUODENUM	286		1		0		5		34		171		75	
ANEMIAS	192		0		2		4		21		96		69	
NUTRITIONAL DEFICIENCIES	147		1		0		2		4		60		80	
GALL BLADDER DISORDERS	143		0		0		3		14		73		53	
ALCOHOLISM	82		0		0		20		41		21		0	
DISEASES OF PANCREAS	121		0		0		10		31		57		23	
MULTIPLE SCLEROSIS	98		0		0		18		48		31		1	
EPILEPSY	76		3		7		26		15		19		6	
VENOUS EMBOLISM & THROMB.	75		0		0		6		16		38		15	
TUBERCULOSIS	48		0		0		4		6		27		11	
MENINGITIS	45		8	9	3		4		6		22		2	
INFECTIONS OF KIDNEY	45		0		0		0		5		26		14	
ALL OTHER CAUSES	9,884		223		142		472		1,336		5,130		2,581	

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10E
SELECTED CAUSES OF DEATH BY AGE GROUP - FOR RACES OTHER THAN WHITE
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	12,123		592		370		1,244		3,121		5,363		1,433	
HEART DISEASE	3,465	1	11	5	11	5	136	4	898	2	1,825	1	584	1
MALIGNANT NEOPLASMS	2,612	2	4	9	19	4	140	3	926	1	1,328	2	195	2
CEREBROVASCULAR DISEASE	738	3	1		5	8	47	8	175	3	386	3	124	3
UNINTENTIONAL INJURIES	526	4	30	3	101	2	166	1	103	4	102	9	24	8
NON-MOTOR VEHICLE	388		26		47		125		77		89		24	
MOTOR VEHICLE	138		4		54		41		26		13		0	
CHRONIC OBSTR. PULM. DIS.	289	9	0		4	10	15		74	7	180	5	16	10
PNEUMONIA & INFLUENZA	309	7	10	6	2		25	9	50	9	160	7	62	5
DIABETES MELLITUS	308	8	0		1		18	10	86	5	169	6	34	6
SEPTICEMIA	333	6	5	8	2		13		61	8	186	4	66	4
NEPHRITIS, NEPHROSIS, ETC.	212		2		1		10		46	10	119	8	34	6
SUICIDE	110		0		29	3	58	7	19		4		0	
LIVER DISEASE & CIRRHOSIS	186		0		1		59	6	85	6	39	10	2	
ATHEROSCLEROSIS	45		0		0		0		2		22		21	9
AORTIC ANEURYSM	41		0		1		3		14		18		5	
PERINATAL CONDITIONS	289	9	289	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	357	5	12	4	126	1	157	2	40		21		1	
CONGENITAL ANOMALIES	97		78	2	6	7	7		2		4		0	
PNEUMOCONIOSIS	7		0		0		0		0		6		1	
HIV INFECTION	175		7	7	11	5	122	5	32		3		0	
HYPERTENSION	74		0		0		4		27		30		13	
BENIGN/UNSPEC. NEOPLASMS	27		1		2		1		12		10		1	
PARKINSONS DISEASE	26		0		0		0		5		16		5	
HERNIA/INTESTINAL OBSTR.	29		3	10	0		3		7		13		3	
ULCERS OF STOMACH/DUODENUM	16		0		0		1		5		9		1	
ANEMIAS	31		0		5	8	3		5		12		6	
NUTRITIONAL DEFICIENCIES	29		0		0		2		2		10		15	
GALL BLADDER DISORDERS	7		0		0		1		2		3		1	
ALCOHOLISM	57		0		0		18	10	31		8		0	
DISEASES OF PANCREAS	14		0		0		3		5		5		1	
MULTIPLE SCLEROSIS	6		0		1		2		3		0		0	
EPILEPSY	23		0		4	10	10		4		3		2	
VENOUS EMBOLISM & THROMB.	3		0		0		0		1		1		1	
TUBERCULOSIS	23		0		0		6		3		13		1	
MENINGITIS	10		2		1		2		1		3		1	
INFECTIONS OF KIDNEY	2		0		0		1		0		0		1	
ALL OTHER CAUSES	1,647		137		37		211		395		655		212	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-11A
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	1,044.3	236.2	55.2	155.4	883.2	4,466.5	11,744.3
HEART DISEASE	398.3	7.2	1.9	21.2	286.7	1,781.9	5,672.2
MALIGNANT NEOPLASMS	235.9	3.3	3.8	26.5	316.5	1,111.0	1,197.6
CEREBROVASCULAR DISEASE	67.0	1.0	0.4	3.8	33.1	297.8	1,118.7
UNINTENTIONAL INJURIES	37.0	15.2	26.6	33.0	27.9	73.3	186.2
NON-MOTOR VEHICLE	20.7	11.4	7.0	16.0	15.8	52.5	171.0
MOTOR VEHICLE	16.3	3.8	19.7	16.9	12.1	20.8	15.3
CHRONIC OBSTR. PULM. DIS.	35.9	0.2	0.3	1.0	24.1	202.2	265.6
PNEUMONIA & INFLUENZA	33.2	3.8	0.5	2.0	10.9	128.1	726.1
DIABETES MELLITUS	21.8	-	0.1	2.4	21.1	101.4	208.9
SEPTICEMIA	15.8	1.2	0.2	1.3	8.7	70.0	244.7
NEPHRITIS, NEPHROSIS, ETC.	13.4	0.7	0.1	1.1	7.4	60.1	203.2
SUICIDE	12.3	-	7.1	16.2	14.2	19.1	7.4
LIVER DISEASE & CIRRHOSIS	10.2	-	0.0	4.1	21.9	34.2	14.4
ATHEROSCLEROSIS	8.6	-	-	0.1	1.5	29.7	239.9
AORTIC ANEURYSM	7.8	-	0.1	0.3	5.6	42.2	66.7
PERINATAL CONDITIONS	7.0	103.0	0.0	-	-	-	-
HOMICIDE & LEGAL INTERV.	5.5	3.8	5.8	8.1	3.7	3.2	3.5
CONGENITAL ANOMALIES	4.6	47.5	1.3	1.3	1.7	2.2	2.2
PNEUMOCONIOSIS	3.9	-	-	-	1.0	24.9	29.7
HIV INFECTION	3.9	1.2	0.6	9.2	3.7	0.9	-
HYPERTENSION	3.7	-	-	0.2	2.8	16.6	51.0
BENIGN/UNSPEC. NEOPLASMS	3.5	1.2	0.5	0.6	4.1	14.3	24.9
PARKINSONS DISEASE	3.0	-	-	0.0	0.7	15.8	46.7
HERNIA/INTESTINAL OBSTR.	2.5	0.7	-	0.3	1.2	9.4	51.5
ULCERS OF STOMACH/DUODENUM	2.5	0.1	-	0.2	1.6	11.9	33.1
ANEMIAS	1.9	-	0.2	0.2	1.1	7.1	32.7
NUTRITIONAL DEFICIENCIES	1.5	0.1	-	0.1	0.2	4.6	41.4
GALL BLADDER DISORDERS	1.2	-	-	0.1	0.7	5.0	23.6
ALCOHOLISM	1.2	-	-	1.0	3.0	1.9	-
DISEASES OF PANCREAS	1.1	-	-	0.4	1.5	4.1	10.5
MULTIPLE SCLEROSIS	0.9	-	0.0	0.6	2.1	2.0	0.4
EPILEPSY	0.8	0.4	0.3	1.0	0.8	1.5	3.5
VENOUS EMBOLISM & THROMB.	0.6	-	-	0.2	0.7	2.6	7.0
TUBERCULOSIS	0.6	-	-	0.3	0.4	2.6	5.2
MENINGITIS	0.5	1.2	0.1	0.2	0.3	1.6	1.3
INFECTIONS OF KIDNEY	0.4	-	-	0.0	0.2	1.7	6.5
ALL OTHER CAUSES	96.1	44.1	5.3	18.8	72.1	381.4	1,218.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11B
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - MALES**, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,099.3	258.4	78.8	219.2	1,156.9	5,762.4	11,642.3
HEART DISEASE	405.1	7.4	2.1	31.8	422.0	2,305.4	5,164.9
MALIGNANT NEOPLASMS	257.5	4.1	4.4	24.6	364.1	1,478.8	1,543.1
CEREBROVASCULAR DISEASE	55.7	0.7	0.5	4.3	39.3	324.9	929.4
UNINTENTIONAL INJURIES	51.1	18.2	39.0	53.2	41.4	97.9	232.0
NON-MOTOR VEHICLE	27.5	13.6	10.8	27.3	24.3	68.7	210.4
MOTOR VEHICLE	23.6	4.5	28.3	25.9	17.2	29.1	21.6
CHRONIC OBSTR. PULM. DIS.	44.1	0.2	0.3	1.1	30.7	298.2	465.4
PNEUMONIA & INFLUENZA	33.0	4.3	0.7	2.4	14.8	180.3	748.6
DIABETES MELLITUS	18.4	-	0.2	3.0	21.0	103.9	178.1
SEPTICEMIA	13.8	1.9	0.2	1.5	10.4	76.4	233.4
NEPHRITIS, NEPHROSIS, ETC.	12.8	0.2	0.2	1.5	8.7	71.5	232.0
SUICIDE	21.0	-	12.3	26.5	24.0	39.3	16.2
LIVER DISEASE & CIRRHOSIS	13.6	-	0.1	6.1	32.5	48.1	20.2
ATHEROSCLEROSIS	6.5	-	-	0.1	1.9	34.9	190.2
AORTIC ANEURYSM	10.4	-	0.1	0.6	8.5	67.9	101.2
PERINATAL CONDITIONS	8.2	112.9	0.1	-	-	-	-
HOMICIDE & LEGAL INTERV.	8.3	4.1	9.2	11.3	6.0	5.1	4.0
CONGENITAL ANOMALIES	5.1	49.1	1.2	1.8	1.7	2.6	1.3
PNEUMOCONIOSIS	8.1	-	-	-	2.2	61.0	87.7
HIV INFECTION	7.4	1.7	1.0	17.3	7.2	2.0	-
HYPERTENSION	3.1	-	-	0.3	3.3	18.8	28.3
BENIGN/UNSPEC. NEOPLASMS	3.4	1.4	0.5	0.6	5.4	14.6	27.0
PARKINSONS DISEASE	3.7	-	-	-	0.9	25.5	59.4
HERNIA/INTESTINAL OBSTR.	1.9	0.7	-	0.4	1.5	9.8	33.7
ULCERS OF STOMACH/DUODENUM	2.5	0.2	-	0.3	1.9	14.7	32.4
ANEMIAS	1.7	-	0.2	0.3	0.9	8.7	35.1
NUTRITIONAL DEFICIENCIES	1.1	-	-	0.1	0.2	5.1	36.4
GALL BLADDER DISORDERS	1.1	-	-	0.1	0.7	5.6	24.3
ALCOHOLISM	1.9	-	-	1.7	5.0	3.8	-
DISEASES OF PANCREAS	1.3	-	-	0.6	2.6	4.6	5.4
MULTIPLE SCLEROSIS	0.8	-	-	0.5	2.0	2.1	-
EPILEPSY	1.0	0.5	0.5	1.5	1.1	0.8	4.0
VENOUS EMBOLISM & THROMB.	0.6	-	-	0.3	0.7	3.3	2.7
TUBERCULOSIS	0.8	-	-	0.3	0.6	3.6	12.1
MENINGITIS	0.5	1.2	0.2	0.3	0.4	1.8	2.7
INFECTIONS OF KIDNEY	0.3	-	-	0.1	0.3	1.0	8.1
ALL OTHER CAUSES	93.4	49.5	6.1	24.8	93.1	440.6	1,183.0

* RATE PER 100,000 ESTIMATED 1988 MALE POPULATION FOR EACH SPECIFIED AGE GROUP.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11C
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - FEMALES, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	993.7	212.8	30.8	93.5	642.1	3,592.0	11,793.1
HEART DISEASE	392.1	7.0	1.7	10.8	167.6	1,428.6	5,914.6
MALIGNANT NEOPLASMS	216.1	2.5	3.2	28.3	274.4	862.9	1,032.5
CEREBROVASCULAR DISEASE	77.3	1.3	0.4	3.3	27.6	279.6	1,209.1
UNINTENTIONAL INJURIES	23.9	12.1	13.8	13.3	16.0	56.7	164.3
NON-MOTOR VEHICLE	14.4	9.1	3.0	5.0	8.3	41.5	152.1
MOTOR VEHICLE	9.6	3.0	10.8	8.3	7.7	15.1	12.2
CHRONIC OBSTR. PULM. DIS.	28.2	0.3	0.2	0.8	18.4	137.5	170.1
PNEUMONIA & INFLUENZA	33.5	3.3	0.2	1.7	7.4	92.8	715.4
DIABETES MELLITUS	24.9	-	-	1.9	21.1	99.7	223.6
SEPTICEMIA	17.6	0.5	0.1	1.0	7.3	65.6	250.1
NEPHRITIS, NEPHROSIS, ETC.	13.9	1.3	0.1	0.7	6.3	52.5	189.5
SUICIDE	4.3	-	1.8	6.1	5.6	5.5	3.2
LIVER DISEASE & CIRRHOSIS	7.1	-	-	2.1	12.5	24.7	11.6
ATHEROSCLEROSIS	10.6	-	-	0.1	1.1	26.2	263.6
AORTIC ANEURYSM	5.5	-	0.1	0.1	3.1	24.8	50.3
PERINATAL CONDITIONS	5.9	92.6	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	3.0	3.5	2.3	4.9	1.6	2.0	3.2
CONGENITAL ANOMALIES	4.2	45.8	1.4	0.9	1.6	1.9	2.6
PNEUMOCONIOSIS	0.1	-	-	-	-	0.6	1.9
HIV INFECTION	0.6	0.8	0.1	1.2	0.7	0.2	-
HYPERTENSION	4.3	-	-	0.2	2.4	15.0	61.9
BENIGN/UNSPEC. NEOPLASMS	3.6	1.0	0.5	0.5	3.0	14.1	23.8
PARKINSONS DISEASE	2.5	-	-	0.1	0.5	9.3	40.6
HERNIA/INTESTINAL OBSTR.	3.1	0.8	-	0.2	0.9	9.2	59.9
ULCERS OF STOMACH/DUODENUM	2.6	-	-	0.1	1.4	9.9	33.5
ANEMIAS	2.0	-	0.2	0.1	1.3	6.1	31.6
NUTRITIONAL DEFICIENCIES	1.8	0.3	-	0.1	0.3	4.3	43.8
GALL BLADDER DISORDERS	1.4	-	-	0.2	0.6	4.6	23.2
ALCOHOLISM	0.5	-	-	0.4	1.3	0.7	-
DISEASES OF PANCREAS	1.0	-	-	0.1	0.5	3.8	12.9
MULTIPLE SCLEROSIS	1.0	-	0.1	0.6	2.3	2.0	0.6
EPILEPSY	0.7	0.3	0.1	0.5	0.5	1.9	3.2
VENOUS EMBOLISM & THROMB.	0.7	-	-	0.1	0.7	2.1	9.0
TUBERCULOSIS	0.4	-	-	0.2	0.2	2.0	1.9
MENINGITIS	0.4	1.3	0.1	0.1	0.2	1.5	0.6
INFECTIONS OF KIDNEY	0.5	-	-	-	0.2	2.2	5.8
ALL OTHER CAUSES	98.5	38.5	4.4	13.0	53.6	341.6	1,234.9

* RATE PER 100,000 ESTIMATED 1988 FEMALE POPULATION FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11D
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - WHITE RACE**, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,052.7	191.4	50.5	135.5	825.2	4,413.0	11,977.4
HEART DISEASE	412.4	6.9	1.8	19.5	273.2	1,782.8	5,835.5
MALIGNANT NEOPLASMS	239.0	3.3	3.7	25.3	304.4	1,098.2	1,198.4
CEREBROVASCULAR DISEASE	67.9	1.0	0.3	2.8	28.2	292.3	1,146.7
UNINTENTIONAL INJURIES	36.4	13.5	27.0	31.7	25.9	71.4	189.3
NON-MOTOR VEHICLE	19.4	9.6	6.4	14.1	13.8	50.0	172.9
MOTOR VEHICLE	16.9	3.9	20.6	17.7	12.1	21.4	16.4
CHRONIC OBSTR. PULM. DIS.	37.3	0.3	0.2	0.6	23.1	204.3	278.6
PNEUMONIA & INFLUENZA	34.2	3.0	0.5	1.5	9.7	126.1	753.0
DIABETES MELLITUS	21.4	-	0.1	2.2	19.2	96.9	209.0
SEPTICEMIA	14.5	0.7	0.1	1.0	6.8	61.9	232.5
NEPHRITIS, NEPHROSIS, ETC.	13.0	0.6	0.1	0.9	6.0	56.1	202.9
SUICIDE	12.7	-	7.2	16.3	14.7	20.2	8.0
LIVER DISEASE & CIRRHOSIS	9.7	-	-	2.7	20.1	33.9	14.6
ATHEROSCLEROSIS	9.2	-	-	0.1	1.5	30.3	248.5
AORTIC ANEURYSM	8.4	-	0.0	0.3	5.5	44.0	69.5
PERINATAL CONDITIONS	5.1	79.1	0.0	-	-	-	-
HOMICIDE & LEGAL INTERV.	2.9	2.7	2.4	4.2	2.2	2.0	3.3
CONGENITAL ANOMALIES	4.3	44.3	1.3	1.3	1.7	2.1	2.3
PNEUMOCONIOSIS	4.3	-	-	-	1.1	26.3	31.5
HIV INFECTION	2.7	0.4	0.3	6.5	2.6	0.8	-
HYPERTENSION	3.4	-	-	0.2	1.9	15.6	48.9
BENIGN/UNSPEC. NEOPLASMS	3.7	1.3	0.5	0.6	4.0	14.6	26.3
PARKINSONS DISEASE	3.2	-	-	0.0	0.5	15.8	47.9
HERNIA/INTESTINAL OBSTR.	2.6	0.4	-	0.2	1.0	9.2	54.0
ULCERS OF STOMACH/DUODENUM	2.7	0.1	-	0.2	1.6	12.1	35.2
ANEMIAS	1.8	-	0.1	0.1	1.0	6.8	32.4
NUTRITIONAL DEFICIENCIES	1.4	0.1	-	0.1	0.2	4.2	37.6
GALL BLADDER DISORDERS	1.3	-	-	0.1	0.6	5.2	24.9
ALCOHOLISM	0.8	-	-	0.6	1.9	1.5	-
DISEASES OF PANCREAS	1.1	-	-	0.3	1.4	4.0	10.8
MULTIPLE SCLEROSIS	0.9	-	-	0.6	2.2	2.2	0.5
EPILEPSY	0.7	0.4	0.2	0.8	0.7	1.3	2.8
VENOUS EMBOLISM & THROMB.	0.7	-	-	0.2	0.7	2.7	7.0
TUBERCULOSIS	0.4	-	-	0.1	0.3	1.9	5.2
MENINGITIS	0.4	1.1	0.1	0.1	0.3	1.6	0.9
INFECTIONS OF KIDNEY	0.4	-	-	-	0.2	1.8	6.6
ALL OTHER CAUSES	91.9	32.0	4.8	14.5	60.9	362.9	1,212.5

* RATE PER 100,000 ESTIMATED 1988 WHITE POPULATION FOR EACH SPECIFIED AGE GROUP.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11E
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - FOR RACES OTHER THAN WHITE, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	971.4	499.8	88.9	323.7	1,490.3	5,199.2	8,724.0
HEART DISEASE	277.6	9.3	2.6	35.4	428.8	1,769.3	3,555.3
MALIGNANT NEOPLASMS	209.3	3.4	4.6	36.4	442.2	1,287.4	1,187.1
CEREBROVASCULAR DISEASE	59.1	0.8	1.2	12.2	83.6	374.2	754.9
UNINTENTIONAL INJURIES	42.1	25.3	24.3	43.2	49.2	98.9	146.1
NON-MOTOR VEHICLE	31.1	22.0	11.3	32.5	36.8	86.3	146.1
MOTOR VEHICLE	11.1	3.4	13.0	10.7	12.4	12.6	-
CHRONIC OBSTR. PULM. DIS.	23.2	-	1.0	3.9	35.3	174.5	97.4
PNEUMONIA & INFLUENZA	24.8	8.4	0.5	6.5	23.9	155.1	377.5
DIABETES MELLITUS	24.7	-	0.2	4.7	41.1	163.8	207.0
SEPTICEMIA	26.7	4.2	0.5	3.4	29.1	180.3	401.8
NEPHRITIS, NEPHROSIS, ETC.	17.0	1.7	0.2	2.6	22.0	115.4	207.0
SUICIDE	8.8	-	7.0	15.1	9.1	3.9	-
LIVER DISEASE & CIRRHOSIS	14.9	-	0.2	15.4	40.6	37.8	12.2
ATHEROSCLEROSIS	3.6	-	-	-	1.0	21.3	127.8
AORTIC ANEURYSM	3.3	-	0.2	0.8	6.7	17.5	30.4
PERINATAL CONDITIONS	23.2	244.0	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	28.6	10.1	30.3	40.9	19.1	20.4	6.1
CONGENITAL ANOMALIES	7.8	65.9	1.4	1.8	1.0	3.9	-
PNEUMOCONIOSIS	0.6	-	-	-	-	5.8	6.1
HIV INFECTION	14.0	5.9	2.6	31.7	15.3	2.9	-
HYPERTENSION	5.9	-	-	1.0	12.9	29.1	79.1
BENIGN/UNSPEC. NEOPLASMS	2.2	0.8	0.5	0.3	5.7	9.7	6.1
PARKINSONS DISEASE	2.1	-	-	-	2.4	15.5	30.4
HERNIA/INTESTINAL OBSTR.	2.3	2.5	-	0.8	3.3	12.6	18.3
ULCERS OF STOMACH/DUODENUM	1.3	-	-	0.3	2.4	8.7	6.1
ANEMIAS	2.5	-	1.2	0.8	2.4	11.6	36.5
NUTRITIONAL DEFICIENCIES	2.3	-	-	0.5	1.0	9.7	91.3
GALL BLADDER DISORDERS	0.6	-	-	0.3	1.0	2.9	6.1
ALCOHOLISM	4.6	-	-	4.7	14.8	7.8	-
DISEASES OF PANCREAS	1.1	-	-	0.8	2.4	4.8	6.1
MULTIPLE SCLEROSIS	0.5	-	0.2	0.5	1.4	-	-
EPILEPSY	1.8	-	1.0	2.6	1.9	2.9	12.2
VENOUS EMBOLISM & THROMB.	0.2	-	-	-	0.5	1.0	6.1
TUBERCULOSIS	1.8	-	-	1.6	1.4	12.6	6.1
MENINGITIS	0.8	1.7	0.2	0.5	0.5	2.9	6.1
INFECTIONS OF KIDNEY	0.2	-	-	0.3	-	-	6.1
ALL OTHER CAUSES	132.0	115.7	8.9	54.9	188.6	635.0	1,290.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR RACES OTHER THAN WHITE FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-12
AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988 AND UNITED STATES, 1988

	PENNSYLVANIA		UNITED STATES
CAUSE OF DEATH	1988	1984-1988	1988
ALL CAUSES	547.3	554.2	536.3
HEART DISEASE	181.6	188.9	166.7
MALIGNANT NEOPLASMS	140.0	141.2	133.3
CEREBROVASCULAR DISEASE	27.8	29.2	29.8
UNINTENTIONAL INJURIES	30.6	29.8	35.1
NON-MOTOR VEHICLE	14.8	14.1	15.0
MOTOR VEHICLE	15.8	15.7	20.1
CHRONIC OBSTR. PULM. DIS.	17.8	17.2	19.2
PNEUMONIA AND INFLUENZA	12.4	11.5	14.2
DIABETES MELLITUS	11.4	11.3	9.9
SEPTICEMIA	6.9	6.3	4.5
NEPHRITIS, NEPHROSIS, ETC.	5.9	5.8	4.6
SUICIDE	11.3	11.1	11.3
LIVER DISEASE AND CIRRHOSIS	7.7	7.9	9.0
ATHEROSCLEROSIS	2.6	3.0	3.7
AORTIC ANEURYSM	3.8	3.9	N/A
HOMICIDE AND LEGAL INTERV.	5.7	5.3	9.0
PNEUMOCONIOSIS	1.7	2.2	N/A
HIV INFECTION	3.9	N/A	6.5

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.

NOTE: U.S. MORTALITY DATA USED TO COMPUTE U.S. RATES ARE PROVISIONAL.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	125,337	1044.3
INFECTIOUS AND PARASITIC DISEASES	001-139	2,764	23.0
INTESTINAL INFECTIOUS DISEASES	001-009	17	0.1
TUBERCULOSIS	010-018	71	0.6
TUBERCULOSIS OF RESPIRATORY SYSTEM	010-012	55	0.5
OTHER TUBERCULOSIS	013-018	16	0.1
ZOONOTIC BACTERIAL DISEASES	020-027	4	0.0
OTHER BACTERIAL DISEASES	030-041	1,940	16.2
SEPTICEMIA	038	1,894	15.8
OTHER BACTERIAL DISEASES	030-037,039-041	46	0.4
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	466	3.9
POLIOMYELITIS AND OTHER NON-ARTHROPOD VIRAL DISEASES OF THE CENTRAL NERVOUS SYSTEM	045-049	23	0.2
VIRAL DISEASES ACCOMPANIED BY EXANTHEM	050-057	19	0.2
ARTHROPOD-BORNE VIRAL DISEASES	060-066	0	-
OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	070-079	59	0.5
RICKETTSIOSES AND OTHER ARTHROPOD-BORNE DISEASES	080-088	0	-
SYPHILIS AND OTHER VENEREAL DISEASES	090-099	3	0.0
OTHER SPIROCHAETAL DISEASES	100-104	0	-
MYCOSES	110-118	92	0.8
HELMINTHIASES	120-129	2	0.0
OTHER INFECTIOUS AND PARASITIC DISEASES	130-136	53	0.4
LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	137-139	15	0.1
NEOPLASMS	140-239	28,736	239.4
MALIGNANT NEOPLASM OF LIP, ORAL CAVITY, AND PHARYNX	140-149	393	3.3
OF TONGUE	141	94	0.8
OF MAJOR SALIVARY GLANDS	142	27	0.2
OF FLOOR OF MOUTH	144	18	0.1
OF OTHER AND UNSPECIFIED PARTS OF MOUTH	140,143,145	69	0.6
OF OROPHARYNX	146	61	0.5
OF NASOPHARYNX	147	29	0.2
OF HYPOPHARYNX	148	22	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY, AND PHARYNX	149	73	0.6
MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	150-159	7,078	59.0
OF ESOPHAGUS	150	563	4.7
OF STOMACH	151	846	7.0
OF SMALL INTESTINE, INCLUDING DUODENUM	152	35	0.3
OF COLON	153	3,077	25.6
OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	154	481	4.0
OF LIVER AND INTRAHEPATIC BILE DUCTS	155	404	3.4
OF GALL BLADDER AND EXTRAHEPATIC BILE DUCTS	156	248	2.1
OF PANCREAS	157	1,233	10.3
OF RETROPERITONEUM AND PERITONEUM	158	23	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	159	168	1.4

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	160-165	7,632	63.6
OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	160	20	0.2
OF LARYNX	161	208	1.7
OF TRACHEA, BRONCHUS, AND LUNG	162	7,369	61.4
OF PLEURA	163	15	0.1
OF THYMUS, HEART, AND MEDIASTINUM	164	20	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	165	0	-
MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, AND BREAST	170-175	3,199	26.7
OF BONE AND ARTICULAR CARTILAGE	170	36	0.3
OF CONNECTIVE AND OTHER SOFT TISSUE	171	150	1.2
MALIGNANT MELANOMA OF SKIN	172	316	2.6
OTHER MALIGNANT NEOPLASM OF SKIN	173	107	0.9
OF FEMALE BREAST	174	2,572	21.4
OF MALE BREAST	175	18	0.1
MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	179-189	4,150	34.6
OF UTERUS, PART UNSPECIFIED	179	184	1.5
OF CERVIX UTERI	180	230	1.9
OF BODY OF UTERUS	182	188	1.6
OF OVARY AND OTHER UTERINE ADNEXA	183	698	5.8
OF PLACENTA AND OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	181,184	64	0.5
OF PROSTATE	185	1,651	13.8
OF TESTIS	186	13	0.1
OF PENIS AND OTHER MALE GENITAL ORGANS	187	10	0.1
OF BLADDER	188	589	4.9
OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	189	523	4.4
MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	190-199	3,197	26.6
OF EYE	190	9	0.1
OF BRAIN	191	546	4.5
OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	192	11	0.1
OF THYROID GLAND	193	54	0.4
OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	194	33	0.3
OF OTHER AND UNSPECIFIED SITES	195-199	2,544	21.2
MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	200-208	2,667	22.2
LYMPHOSARCOMA AND RETICULOSARCOMA	200	168	1.4
HODGKIN'S DISEASE	201	108	0.9
OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	202	869	7.2
MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	203	502	4.2
LYMPHOID LEUKEMIA	204	294	2.4
MYELOID LEUKEMIA	205	405	3.4
MONOCYTIC AND OTHER SPECIFIED LEUKEMIA	206-207	20	0.2
LEUKEMIA OF UNSPECIFIED CELL TYPE	208	301	2.5

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
BENIGN NEOPLASMS	210-229	70	0.6
OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	225	48	0.4
OTHER BENIGN NEOPLASMS	210-224,226-229	22	0.2
CARCINOMA IN SITU	230-234	3	0.0
NEOPLASMS OF UNCERTAIN BEHAVIOR	235-238	80	0.7
NEOPLASMS OF UNSPECIFIED NATURE	239	267	2.2
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	3,573	29.8
DISORDERS OF THYROID GLAND	240-246	59	0.5
ACQUIRED HYPOTHYROIDISM	244	50	0.4
OTHER DISORDERS OF THYROID GLAND	240-243,245-246	9	0.1
DISEASES OF OTHER ENDOCRINE GLANDS	250-259	2,652	22.1
DIABETES MELLITUS	250	2,614	21.8
OTHER ENDOCRINE DISORDERS	251-259	38	0.3
NUTRITIONAL DEFICIENCIES	260-269	176	1.5
PROTEIN-CALORIE MALNUTRITION	260-263	173	1.4
OTHER NUTRITIONAL DEFICIENCIES	264-269	3	0.0
OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	270-279	686	5.7
CERTAIN SPECIFIED DISORDERS OF METABOLISM	270-275	108	0.9
DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	276	393	3.3
OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	277	102	0.8
OBESITY AND OTHER HYPERALIMENTATION	278	63	0.5
DISORDERS INVOLVING THE IMMUNE MECHANISM	279	20	0.2
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	524	4.4
HEMOLYTIC ANEMIAS	282-283	31	0.3
APLASTIC ANEMIA	284	51	0.4
OTHER AND UNSPECIFIED ANEMIAS	285	126	1.0
COAGULATION DEFECTS	286	88	0.7
PURPURA AND OTHER HEMORRHAGIC CONDITIONS	287	44	0.4
DISEASES OF WHITE BLOOD CELLS	288	45	0.4
OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-281,289	139	1.2
MENTAL DISORDERS	290-319	996	8.3
ORGANIC PSYCHOTIC CONDITIONS	290-294	358	3.0
SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	290	350	2.9
OTHER ORGANIC PSYCHOTIC CONDITIONS	291-294	8	0.1
OTHER PSYCHOSES	295-299	118	1.0
NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	300-316	503	4.2
ALCOHOL DEPENDENCE SYNDROME	303	139	1.2
NONDEPENDENT ABUSE OF DRUGS	305	68	0.6
SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	310	263	2.2
OTHER NONPSYCHOTIC MENTAL DISORDERS	300-302,304,306-309,311-316	33	0.3
MENTAL RETARDATION	317-319	17	0.1

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	1,887	15.7
INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	320-326	85	0.7
BACTERIAL MENINGITIS	320	26	0.2
MENINGITIS DUE TO OTHER AND UNSPECIFIED CAUSE	321-322	29	0.2
OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	323-326	30	0.2
HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	330-337	1,183	9.9
CEREBRAL DEGENERATIONS	330-331	589	4.9
PARKINSON'S DISEASE	332	365	3.0
ANTERIOR HORN CELL DISEASE	335	184	1.5
OTHER HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	333-334,336-337	45	0.4
OTHER DISORDERS OF CENTRAL NERVOUS SYSTEM	340-349	533	4.4
MULTIPLE SCLEROSIS	340	104	0.9
INFANTILE CEREBRAL PALSY	343	26	0.2
OTHER PARALYTIC SYNDROMES	344	46	0.4
EPILEPSY	345	99	0.8
OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	341-342,346-349	258	2.1
DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-359	80	0.7
MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	359	43	0.4
OTHER DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-358	37	0.3
DISORDERS OF THE EYE AND EAR	360-389	6	0.0
DISEASES OF THE CIRCULATORY SYSTEM	390-459	58,907	490.8
ACUTE RHEUMATIC FEVER	390-392	4	0.0
CHRONIC RHEUMATIC HEART DISEASE	393-398	464	3.9
DISEASES OF MITRAL VALVE	394	198	1.6
DISEASES OF AORTIC VALVE	395	12	0.1
DISEASES OF MITRAL AND AORTIC VALVES	396	88	0.7
DISEASES OF OTHER ENDOCARDIAL STRUCTURES	397	37	0.3
OTHER RHEUMATIC HEART DISEASE	393,398	129	1.1
HYPERTENSIVE DISEASE	401-405	1,500	12.5
ESSENTIAL HYPERTENSION	401	287	2.4
HYPERTENSIVE HEART DISEASE	402	931	7.8
HYPERTENSIVE RENAL DISEASE	403	158	1.3
HYPERTENSIVE HEART AND RENAL DISEASE	404	124	1.0
SECONDARY HYPERTENSION	405	0	-
ISCHEMIC HEART DISEASE	410-414	29,186	243.2
ACUTE MYOCARDIAL INFARCTION	410	15,082	125.7
OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	411	108	0.9
OLD MYOCARDIAL INFARCTION	412	71	0.6
ANGINA PECTORIS	413	72	0.6
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	414	13,853	115.4

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF PULMONARY CIRCULATION	415-417	914	7.6
ACUTE PULMONARY HEART DISEASE	415	744	6.2
CHRONIC PULMONARY HEART DISEASE	416	168	1.4
OTHER DISEASES OF PULMONARY CIRCULATION	417	2	0.0
OTHER FORMS OF HEART DISEASES	420-429	16,187	134.9
ACUTE PERICARDITIS AND OTHER DISEASES OF PERICARDIUM	420,423	39	0.3
ACUTE AND SUBACUTE ENDOCARDITIS	421	52	0.4
OTHER DISEASES OF ENDOCARDIUM	424	843	7.0
CARDIOMYOPATHY	425	1,298	10.8
CONDUCTION DISORDERS	426	56	0.5
CARDIAC DYSRHYTHMIAS	427	5,486	45.7
HEART FAILURE	428	2,763	23.0
OTHER AND ILL-DEFINED HEART DISEASE	422,429	5,650	47.1
CEREBROVASCULAR DISEASE	430-438	8,036	67.0
SUBARACHNOID HEMORRHAGE	430	397	3.3
INTRACEREBRAL HEMORRHAGE	431	1,041	8.7
OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	432	127	1.1
OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	433	60	0.5
OCCLUSION OF CEREBRAL ARTERIES	434	1,309	10.9
TRANSIENT CEREBRAL ISCHEMIA	435	32	0.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	436	4,269	35.6
OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	437	604	5.0
LATE EFFECTS OF CEREBROVASCULAR DISEASE	438	197	1.6
DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	440-448	2,378	19.8
ATHEROSCLEROSIS	440	1,038	8.6
AORTIC ANEURYSM	441	942	7.8
OTHER ANEURYSM	442	30	0.2
OTHER PERIPHERAL VASCULAR DISEASE	443	203	1.7
ARTERIAL EMBOLISM AND THROMBOSIS	444	77	0.6
POLYARTERITIS NODOSA AND ALLIED CONDITIONS	446	24	0.2
OTHER DISORDERS OF ARTERIES AND ARTERIOLES	447	64	0.5
DISEASES OF CAPILLARIES	448	0	-
DISEASES OF VEINS AND LYMPHATICS, AND OTHER DISEASES OF CIRCULATORY SYSTEM	451-459	238	2.0
PHLEBITIS AND THROMBOPHLEBITIS	451	56	0.5
OTHER VENOUS EMBOLISM AND THROMBOSIS	452-453	22	0.2
VARICOSE VEINS	454-456	28	0.2
HYPOTENSION	458	82	0.7
OTHER DISORDERS OF CIRCULATORY SYSTEM	457,459	50	0.4
DISEASES OF THE RESPIRATORY SYSTEM	460-519	10,220	85.2
ACUTE RESPIRATORY INFECTIONS	460-466	42	0.3
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	29	0.2
OTHER ACUTE RESPIRATORY INFECTIONS	460-465	13	0.1
OTHER DISEASES OF UPPER RESPIRATORY TRACT	470-478	19	0.2
PNEUMONIA AND INFLUENZA	480-487	3,990	33.2
VIRAL PNEUMONIA	480	14	0.1
PNEUMOCOCCAL PNEUMONIA	481	104	0.9
OTHER BACTERIAL PNEUMONIA	482	138	1.1
BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	485	268	2.2
PNEUMONIA, OTHER AND UNSPECIFIED	483,484,486	3,403	28.4
INFLUENZA	487	63	0.5

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	490-496	4,303	35.9
BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	490	32	0.3
CHRONIC BRONCHITIS	491	119	1.0
EMPHYSEMA	492	650	5.4
ASTHMA	493	178	1.5
BRONCHIECTASIS	494	41	0.3
EXTRINSIC ALLERGIC ALVEOLITIS AND OTHER CHRONIC AIRWAY OBSTRUCTIONS	495-496	3,283	27.4
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	500-508	937	7.8
COALWORKER'S PNEUMOCONIOSIS	500	429	3.6
ASBESTOSIS AND PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	501-502	36	0.3
PNEUMOCONIOSIS, OTHER AND UNSPECIFIED	503-505	6	0.0
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	507	461	3.8
RESPIRATORY CONDITIONS DUE TO OTHER AND UNSPECIFIED EXTERNAL AGENTS	506,508	5	0.0
OTHER DISEASES OF RESPIRATORY SYSTEM	510-519	929	7.7
EMPYEMA	510	22	0.2
PLEURISY	511	76	0.6
PNEUMOTHORAX	512	24	0.2
ABSCESS OF LUNG AND MEDIASTINUM	513	30	0.2
PULMONARY CONGESTION AND HYPOSTASIS	514	78	0.6
POSTINFLAMMATORY PULMONARY FIBROSIS	515	211	1.8
OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	516	31	0.3
OTHER DISEASES OF THE LUNG	517-518	398	3.3
OTHER DISEASES OF RESPIRATORY SYSTEM	519	59	0.5
DISEASES OF THE DIGESTIVE SYSTEM	520-579	4,104	34.2
DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS	520-529	6	0.0
DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	530-537	441	3.7
DISEASES OF ESOPHAGUS	530	89	0.7
GASTRIC ULCER	531	94	0.8
DUODENAL ULCER	532	107	0.9
PEPTIC ULCER, SITE UNSPECIFIED	533	101	0.8
OTHER DISORDERS OF STOMACH AND DUODENUM	534-537	50	0.4
APPENDICITIS	540-543	26	0.2
HERNIA OF ABDOMINAL CAVITY	550-553	71	0.6
NONINFECTIVE ENTERITIS AND COLITIS	555-558	476	4.0
IDIOPATHIC PROCTOCOLITIS	556	33	0.3
VASCULAR INSUFFICIENCY OF INTESTINE	557	372	3.1
OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	555,558	71	0.6
OTHER DISEASES OF INTESTINES AND PERITONEUM	560-569	623	5.2
INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	560	234	1.9
DIVERTICULA OF INTESTINE	562	133	1.1
PERITONITIS	567	94	0.8
OTHER DISORDERS OF PERITONEUM	568	5	0.0
OTHER DISORDERS OF INTESTINE	564-566,569	157	1.3

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
OTHER DISEASES OF DIGESTIVE SYSTEM	570-579	2,461	20.5
ACUTE AND SUBACUTE NECROSIS OF LIVER	570	19	0.2
CHRONIC LIVER DISEASE AND CIRRHOSIS	571	1,226	10.2
LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	572	272	2.3
OTHER DISORDERS OF LIVER	573	117	1.0
CHOLELITHIASIS	574	67	0.6
OTHER DISORDERS OF GALL BLADDER	575	83	0.7
OTHER DISORDERS OF BILIARY TRACT	576	62	0.5
DISEASES OF PANCREAS	577	135	1.1
GASTROINTESTINAL HEMORRHAGE	578	475	4.0
INTESTINAL MALABSORPTION	579	5	0.0
DISEASES OF THE GENITOURINARY SYSTEM	580-629	2,627	21.9
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	580-589	1,605	13.4
CHRONIC GLOMERULONEPHRITIS	582	38	0.3
NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	583	13	0.1
ACUTE RENAL FAILURE	584	302	2.5
CHRONIC RENAL FAILURE	585	303	2.5
RENAL FAILURE, UNSPECIFIED	586	921	7.7
OTHER RENAL DISORDERS	580-581,587-589	28	0.2
OTHER DISEASES OF URINARY SYSTEM	590-599	983	8.2
INFECTIONS OF KIDNEY	590	47	0.4
CALCULUS OF KIDNEY AND URETER	592	17	0.1
OTHER DISORDERS OF KIDNEY AND URETER	591,593	218	1.8
OTHER DISORDERS OF URETHRA AND URINARY TRACT	594-599	701	5.8
DISEASES OF MALE GENITAL ORGANS	600-608	27	0.2
HYPERPLASIA OF PROSTATE	600	25	0.2
OTHER DISORDERS OF MALE GENITAL ORGANS	601-608	2	0.0
DISORDERS OF THE BREAST	610-611	2	0.0
INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	614-616	5	0.0
OTHER DISORDERS OF FEMALE GENITAL TRACT	617-629	5	0.0
COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	630-676	8	0.5
PREGNANCY WITH ABORTIVE OUTCOME	630-639	2	0.1
INDUCED ABORTION	635-636	0	-
OTHER ABORTION, ECTOPIC, AND MOLAR PREGNANCIES	630-634,637-639	2	0.1
COMPLICATIONS MAINLY RELATED TO PREGNANCY	640-648	4	0.2
OTHER INDICATIONS FOR CARE IN PREGNANCY, LABOR, AND DELIVERY	650-659	1	0.1
COMPLICATIONS OCCURRING MAINLY IN THE COURSE OF LABOR AND DELIVERY	660-669	0	-
COMPLICATIONS OF THE PUERPERIUM	670-676	1	0.1

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.
MATERNAL DEATH RATE (ICD CODES 630-676) PER 10,000 LIVE BIRTHS.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	680-709	257	2.1
INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	680-686	40	0.3
CELLULITIS AND ABSCESS	680-682	32	0.3
OTHER INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	683-686	8	0.1
OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	690-698	15	0.1
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-709	202	1.7
CHRONIC ULCER OF SKIN	707	201	1.7
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-706,708-709	1	0.0
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	710-739	382	3.2
ARTHROPATHIES AND RELATED DISORDERS	710-719	262	2.2
DIFFUSE DISEASES OF CONNECTIVE TISSUE	710	143	1.2
RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	714	75	0.6
OTHER ARTHROPATHIES AND RELATED DISORDERS	711-713,715-719	44	0.4
DORSOPATHIES	720-724	10	0.1
RHEUMATISM, EXCLUDING BACK	725-729	28	0.2
OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	730-739	82	0.7
CONGENITAL ANOMALIES	740-759	558	4.6
ANENCEPHALUS AND SIMILAR ANOMALIES	740	26	0.2
SPINA BIFIDA	741	12	0.1
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	742	42	0.3
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	70	0.6
OTHER CONGENITAL ANOMALIES OF HEART	746	139	1.2
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	57	0.5
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	57	0.5
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	35	0.3
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	31	0.3
CHROMOSOMAL ANOMALIES	758	47	0.4
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	743-744,749-751,757,759	42	0.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (SEE TABLE C-14 FOR DETAILS.)	760-779	841	7.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	2,182	18.2
SYMPTOMS	780-789	197	1.6
SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	785	144	1.2
OTHER SYMPTOMS	780-784,786-789	53	0.4

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
NONSPECIFIED ABNORMAL FINDINGS	790-796	2	0.0
ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	797-799	1,983	16.5
SENILITY WITHOUT MENTION OF PSYCHOSIS	797	41	0.3
SUDDEN DEATH, CAUSE UNKNOWN	798	220	1.8
OTHER ILL-DEFINED AND UNKNOWN CAUSE OF MORTALITY	799	1,722	14.3
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	6,771	56.4
UNINTENTIONAL INJURIES	800-949	4,437	37.0
RAILWAY	800-807	31	0.3
MOTOR VEHICLE-TRAFFIC	810-819	1,921	16.0
INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	811-812	701	5.8
INVOLVING COLLISION WITH ANOTHER VEHICLE	810,813	41	0.3
INVOLVING COLLISION WITH PEDESTRIAN	814	289	2.4
OTHER INVOLVING COLLISION ON THE HIGHWAY	815	351	2.9
DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	816	116	1.0
OTHER NONCOLLISION	817-818	56	0.5
UNSPECIFIED NATURE	819	367	3.1
MOTOR VEHICLE-NONTRAFFIC	820-825	37	0.3
OTHER ROAD VEHICLE	826-829	3	0.0
WATER TRANSPORT	830-838	26	0.2
AIR AND SPACE TRANSPORT	840-845	32	0.3
DUE TO POWERED AIRCRAFT	840-841	28	0.2
OTHER AIR AND SPACE TRANSPORT	842-845	4	0.0
VEHICLE NOT ELSEWHERE CLASSIFIABLE	846-848	3	0.0
POISONING BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS	850	77	0.6
POISONING BY OTHER DRUGS, MEDICAMENTS, AND BIOLOGICALS	851-858	309	2.6
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-869	56	0.5
POISONING BY UTILITY GAS AND OTHER CARBON MONOXIDE	868	34	0.3
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-867,869	22	0.2
MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	24	0.2
CUT, PUNCTURE, PERFORATION OR HEMORRHAGE DURING MEDICAL CARE	870	17	0.1
OTHER AND UNSPECIFIED MISADVENTURE DURING MEDICAL CARE	871-876	7	0.1
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE	878-879	189	1.6
SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES	878	165	1.4
OTHER PROCEDURES	879	24	0.2
FALLS	880-888	660	5.5
FALL ON OR FROM STAIRS OR STEPS	880	128	1.1
FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	882	30	0.2
OTHER FALL FROM ONE LEVEL TO ANOTHER	881,883-884	70	0.6
FRACTURE, CAUSE UNSPECIFIED	887	221	1.8
OTHER AND UNSPECIFIED FALL	885-886,888	211	1.8

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
FIRE AND FLAMES	890-899	248	2.1
CONFLAGRATION IN PRIVATE DWELLING	890	218	1.8
OTHER FIRE AND FLAMES	891-899	30	0.2
NATURAL AND ENVIRONMENTAL FACTORS	900-909	82	0.7
EXCESSIVE COLD	901	46	0.4
OTHER NATURAL AND ENVIRONMENTAL FACTORS	900,902-909	36	0.3
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	358	3.0
DROWNING AND SUBMERSION	910	131	1.1
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	58	0.5
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	142	1.2
MECHANICAL SUFFOCATION	913	26	0.2
FOREIGN BODY ENTERING ORIFACE	914-915	1	0.0
OTHER UNINTENTIONAL INJURIES	916-928	348	2.9
STRUCK BY FALLING OBJECT	916	44	0.4
CAUSED BY MACHINERY	919	51	0.4
CAUSED BY FIREARM MISSILE	922	29	0.2
CAUSED BY ELECTRIC CURRENT	925	29	0.2
OTHER AND UNSPECIFIED CAUSES	917-918,920-921 923-924,926-928	195	1.6
LATE EFFECTS OF UNINTENTIONAL INJURY	929	21	0.2
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	12	0.1
SUICIDE	950-959	1,479	12.3
BY SOLID OR LIQUID SUBSTANCES	950	175	1.5
BY GASES AND VAPORS	951-952	142	1.2
BY HANGING, STRANGULATION, AND SUFFOCATION	953	254	2.1
BY SUBMERSION (DROWNING)	954	33	0.3
BY FIREARMS AND EXPLOSIVES	955	759	6.3
BY JUMPING FROM HIGH PLACE	957	46	0.4
BY OTHER AND UNSPECIFIED MEANS AND LATE EFFECTS	956,958-959	70	0.6
HOMICIDE	960-969	659	5.5
ASSAULT BY HANGING AND STRANGULATION	963	34	0.3
ASSAULT BY FIREARMS AND EXPLOSIVES	965	343	2.9
ASSAULT BY CUTTING AND PIERCING INSTRUMENT	966	142	1.2
OTHER INJURIES AND LATE EFFECTS	960-962,964,967-969	140	1.2
LEGAL INTERVENTION	970-978	7	0.1
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	188	1.6
POISONING BY SOLID OR LIQUID SUBSTANCES	980	103	0.9
POISONING BY GASES	981-982	9	0.1
SUBMERSION (DROWNING)	984	21	0.2
INJURY BY FIREARMS AND EXPLOSIVES	985	17	0.1
OTHER INJURIES AND LATE EFFECTS	983,986-989	38	0.3
INJURY RESULTING FROM OPERATIONS OF WAR	990-999	1	0.0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
ALL CAUSES	001-999	1,615	9.8	675	246	171	523
INFECTIOUS AND PARASITIC DISEASES	001-139	24	0.1	0	0	2	22
SEPTICEMIA	038	7	0.0	0	0	0	7
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	6	0.0	0	0	0	6
NEOPLASMS	140-239	6	0.0	0	4	1	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	14	0.1	2	5	0	7
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	4	0.0	0	1	1	2
MENTAL DISORDERS	290-319	0	-	0	0	0	0
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	23	0.1	0	0	0	23
MENINGITIS	320-322	7	0.0	0	0	0	7
DISEASES OF THE CIRCULATORY SYSTEM	390-459	53	0.3	6	5	4	38
CARDIAC DYSRHYTHMIAS	427	28	0.2	5	2	1	20
DISEASES OF THE RESPIRATORY SYSTEM	460-519	43	0.3	1	3	3	36
PNEUMONIA	480-486	22	0.1	0	3	3	16
DISEASES OF THE DIGESTIVE SYSTEM	520-579	9	0.1	0	0	2	7
NONINFECTIVE ENTERITIS AND COLITIS	555-558	1	0.0	0	0	0	1
DISEASES OF THE GENITOURINARY SYSTEM	580-629	6	0.0	0	2	1	3
DISEASES OF THE CUTANEOUS AND MUSCULOSKELETAL SYSTEMS	680-739	1	0.0	0	0	0	1
CONGENITAL ANOMALIES	740-759	327	2.0	114	83	47	83
ANENCEPHALUS AND SIMILAR ANOMALIES	740	26	0.2	21	3	0	2
SPINA BIFIDA	741	3	0.0	1	0	0	2
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	17	0.1	5	4	1	7
MICROCEPHALUS	742.1	4	0.0	1	0	0	3
CONGENITAL HYDROCEPHALUS	742.3	3	0.0	0	1	0	2

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	27	0.2	0	7	3	17
TRANSPOSITION OF GREAT VESSELS	745.1	6	0.0	0	4	0	2
TETRALOGY OF FALLOT	745.2	7	0.0	0	2	1	4
OTHER CONGENITAL ANOMALIES OF HEART	746	74	0.4	2	25	22	25
HYPOPLASTIC LEFT HEART SYNDROME	746.7	23	0.1	1	15	4	3
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	28	0.2	2	10	8	8
COARCTATION OF AORTA	747.1	1	0.0	0	0	0	1
ANOMALIES OF PULMONARY ARTERY	747.3	6	0.0	0	0	2	4
ANOMALIES OF GREAT VEINS	747.4	5	0.0	0	2	2	1
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	50	0.3	32	12	3	3
ANOMALIES OF LARYNX, TRACHEA, AND BRONCHUS	748.2-748.3	1	0.0	0	0	0	1
AGENESIS, HYPOPLASIA, AND DYSPLASIA OF LUNG	748.5	42	0.3	32	8	1	1
CONGENITAL ANOMALIES OF UPPER ALIMENTARY SYSTEM	749-750	1	0.0	0	1	0	0
CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	751	0	-	0	0	0	0
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	18	0.1	15	3	0	0
RENAL AGENESIS AND DYSGENESIS	753.0	15	0.1	14	1	0	0
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	28	0.2	14	6	5	3
ANOMALIES OF DIAPHRAGM	756.6	17	0.1	9	5	3	0
CONGENITAL ANOMALIES OF THE INTEGUMENT	757	0	-	0	0	0	0
CHROMOSOMAL ANOMALIES	758	32	0.2	7	8	4	13
DOWN SYNDROME	758.0	5	0.0	0	1	0	4
PATAU'S SYNDROME	758.1	4	0.0	3	0	1	0
EDWARD'S SYNDROME	758.2	17	0.1	4	5	2	6
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	759	23	0.1	15	4	1	3
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	14	0.1	11	1	1	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	838	5.1	549	140	92	57
NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	5	0.0	4	0	1	0
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	58	0.4	58	0	0	0
INCOMPETENT CERVIX	761.0	10	0.1	10	0	0	0
PREMATURE RUPTURE OF MEMBRANES	761.1	14	0.1	14	0	0	0
MULTIPLE PREGNANCY	761.5	31	0.2	31	0	0	0

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	34	0.2	31	1	2	0
PLACENTA PREVIA	762.0	3	0.0	3	0	0	0
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	14	0.1	13	0	1	0
PROLAPSED CORD AND OTHER COMPRESSION OF UMBILICAL CORD	762.4-762.5	2	0.0	1	1	0	0
CHORIOAMNIONITIS	762.7	9	0.1	9	0	0	0
NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	2	0.0	1	0	1	0
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	1	0.0	0	1	0	0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	149	0.9	144	4	1	0
EXTREME IMMATURITY	765.0	97	0.6	93	3	1	0
OTHER PRETERM INFANT	765.1	52	0.3	51	1	0	0
DISORDERS RELATING TO LONG GESTATION AND HIGH BIRTH WEIGHT	766	0	-	0	0	0	0
BIRTH TRAUMA	767	9	0.1	3	4	2	0
SUBDURAL AND CEREBRAL HEMORRHAGE	767.0	8	0.0	2	4	2	0
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	48	0.3	25	17	6	0
FETAL DISTRESS	768.2-768.4	21	0.1	7	9	5	0
BIRTH ASPHYXIA	768.5-768.9	27	0.2	18	8	1	0
RESPIRATORY DISTRESS SYNDROME	769	137	0.8	57	47	21	12
OTHER RESPIRATORY CONDITIONS OF NEWBORN	770	168	1.0	87	22	23	36
CONGENITAL PNEUMONIA	770.0	2	0.0	1	0	1	0
MASSIVE ASPIRATION SYNDROME	770.1	9	0.1	2	5	2	0
INTERSTITIAL EMPHYSEMA AND RELATED CONDITIONS	770.2	13	0.1	9	0	4	0
PRIMARY ATELECTASIS	770.4	23	0.1	18	1	4	0
CHRONIC RESPIRATORY DISEASE ARISING IN THE PERINATAL PERIOD	770.7	39	0.2	3	1	1	34
OTHER AND UNSPECIFIED RESPIRATORY PROBLEMS DURING PERINATAL PERIOD	770.3,770.5,770.8,770.9	82	0.5	54	15	11	2
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	36	0.2	11	12	12	1
NEONATAL HEMORRHAGE	772	14	0.1	3	6	3	2
INTRAVENTRICULAR HEMORRHAGE	772.1	13	0.1	2	6	3	2
HEMOLYTIC DISEASE OF NEWBORN DUE TO ISOIMMUNIZATION AND OTHER PERINATAL JAUNDICE	773-774	1	0.0	0	1	0	0
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE NEWBORN	775	0	-	0	0	0	0

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
HEMATOLOGICAL DISORDERS OF NEWBORN	776	2	0.0	0	1	1	0
PERINATAL DISORDERS OF DIGESTIVE SYSTEM	777	23	0.1	2	5	12	4
NECROTIZING ENTEROCOLITIS IN NEWBORN	777.5	20	0.1	0	5	12	3
CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF NEWBORN	778	11	0.1	8	3	0	0
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	779	140	0.8	115	16	7	2
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	225	1.4	1	1	18	205
SUDDEN INFANT DEATH SYNDROME	798.0	206	1.2	0	0	17	189
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	42	0.3	2	2	0	38
UNINTENTIONAL INJURIES	800-949	30	0.2	1	2	0	27
MOTOR VEHICLE	810-825	7	0.0	0	1	0	6
OTHER TRANSPORT	800-807,826-848	0	-	0	0	0	0
POISONING	850-869	0	-	0	0	0	0
MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	0	-	0	0	0	0
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION	878-879	3	0.0	0	1	0	2
FALLS	880-888	0	-	0	0	0	0
FIRE AND FLAMES	890-899	7	0.0	0	0	0	7
NATURAL AND ENVIRONMENTAL FACTORS	900-909	1	0.0	0	0	0	1
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	12	0.1	1	0	0	11
DROWNING AND SUBMERSION	910	3	0.0	1	0	0	2
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	4	0.0	0	0	0	4
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	1	0.0	0	0	0	1
MECHANICAL SUFFOCATION	913	4	0.0	0	0	0	4
OTHER AND LATE EFFECTS OF UNINTENTIONAL INJURIES	916-929	0	-	0	0	0	0
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	0	-	0	0	0	0
HOMICIDE	960-969	11	0.1	1	0	0	10
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	1	0.0	0	0	0	1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-15
RESIDENT FETAL DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	3,184	18.9
CONGENITAL ANOMALIES	740-759	159	1.0
ANENCEPHALUS AND SIMILAR ANOMALIES	740	41	0.2
SPINA BIFIDA	741	4	0.0
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	12	0.1
CONGENITAL HYDROCEPHALUS	742.3	8	0.0
CHROMOSOMAL ANOMALIES	758	26	0.2
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	745-757,759	76	0.5
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	53	0.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	3,022	18.0
FETUS AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	79	0.5
MATERNAL HYPERTENSIVE DISORDERS	760.0	37	0.2
MATERNAL INFECTIONS	760.2	6	0.0
MATERNAL INJURY	760.5	13	0.1
FETUS AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	285	1.7
INCOMPETENT CERVIX	761.0	48	0.3
PREMATURE RUPTURE OF MEMBRANES	761.1	161	1.0
POLYHYDRAMNIOS	761.3	1	0.0
MULTIPLE PREGNANCY	761.5	44	0.3
FETUS AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	584	3.5
PLACENTA PRAEVIA	762.0	14	0.1
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	173	1.0
OTHER AND UNSPECIFIED MORPHOLOGICAL AND FUNCTIONAL ABNORMALITIES OF PLACENTA	762.2	81	0.5
PLACENTAL TRANSFUSION SYNDROMES	762.3	3	0.0
PROLAPSED CORD	762.4	20	0.1
OTHER COMPRESSION OF UMBILICAL CORD	762.5	116	0.7
OTHER AND UNSPECIFIED CONDITIONS OF UMBILICAL CORD	762.6	120	0.7
CHORIOAMNIONITIS	762.7	56	0.3
FETUS AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	8	0.0
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	8	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	154	0.9
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	39	0.2
RESPIRATORY DISTRESS SYNDROME	769	0	-
OTHER RESPIRATORY CONDITIONS OF FETUS	770	10	0.1
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	5	0.0
FETAL HEMORRHAGE	772	0	-
HEMOLYTIC DISEASE OF FETUS DUE TO ISOIMMUNIZATION	773	2	0.0
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS	775	10	0.1
MATERNAL DIABETES MELLITUS AFFECTING FETUS	775.0	10	0.1
HEMATOLOGICAL DISORDERS OF FETUS	776	4	0.0
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	766-767,774,777-779	1,834	11.0
TERMINATION OF PREGNANCY	779.6	1,271	7.6
OTHER AND UNKNOWN CAUSES	001-739,780-999	3	0.0

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* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).

TABLE C-16A
HEART DISEASE DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	47,810	398.3	767,400**	312.2
1987	47,381	396.9	760,353	312.4
1986	47,991	403.7	765,490	317.5
1985	48,692	410.4	771,169	323.0
1984	48,645	408.8	765,114	323.5
1983	49,780	418.5	770,432	329.2
1982	48,470	407.8	755,592	326.0
1981	48,786	411.2	753,884	328.7
1980	50,677	427.2	761,085	336.0
1979	48,407	412.7	733,235	326.5
1978	48,573	413.3	729,510	334.3
1977	48,444	411.1	718,850	332.3
1976	49,730	419.2	723,878	337.2
1975	49,323	417.0	716,215	336.2
1974	50,625	427.7	738,171	349.2
1973	52,730	443.0	757,075	360.8
1972	53,098	445.2	755,864	363.0
1971	53,222	448.0	743,368	360.5
1970	52,476	444.7	735,542	362.0
1969	52,816	447.5	739,265	367.1
1968	54,398	462.7	744,658	373.5
1967	53,121	456.1	721,268	364.5
1966	53,874	462.7	727,002	371.2
1965	52,685	456.7	712,087	367.4
1964	52,078	454.5	699,861	365.7
1963	53,495	468.3	707,830	375.2
1962	52,751	463.7	688,009	370.1
1961	51,735	451.1	663,391	362.4
1960	51,431	454.4	661,712	369.0
1959	50,196	443.3	641,044	363.2
1958	49,673	447.5	637,246	367.7
1957	49,393	442.4	628,504	369.6
1956	47,796	429.4	602,995	361.1
1955	46,690	421.8	584,620	356.5
1954	44,382	407.3	560,077	348.3
1953	45,784	422.8	570,275	361.2
1952	44,246	412.2	555,141	357.4
1951	44,443	419.4	545,675	356.8
1950	43,793	416.4	535,705	356.8

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-9
HEART DISEASE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

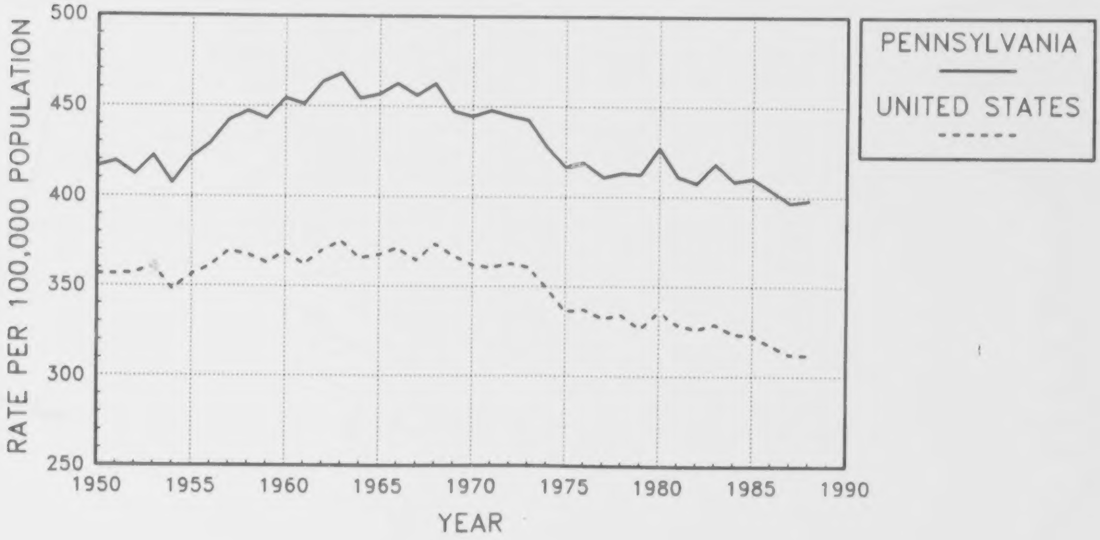


TABLE C-16B
RESIDENT HEART DISEASE DEATHS BY TYPE AND SEX
NUMBER AND PERCENT: PENNSYLVANIA, 1988

TYPE OF HEART DISEASE*	TOTAL	MALE**		FEMALE	
		NUMBER	PERCENT	NUMBER	PERCENT
TOTAL HEART DISEASE	47,810	23,300	100.0	24,510	100.0
RHEUMATIC HEART DISEASE	468	140	0.6	328	1.3
HEART DISEASE WITH HYPERTENSION	1,055	426	1.8	629	2.6
ACUTE MYOCARDIAL INFARCTION	15,082	8,146	35.0	6,936	28.3
ISCHEMIC EXCL. MYOCARDIAL INFARCT.	14,104	6,670	28.6	7,434	30.3
DISEASES OF PULMONARY CIRCULATION	914	419	1.8	495	2.0
OTHER HEART DISEASE	16,187	7,499	32.2	8,688	35.4

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THIS TABLE:
RHEUMATIC HEART DISEASE=390-398
HEART DISEASE WITH HYPERTENSION=402,404
ACUTE MYOCARDIAL INFARCTION=410
ISCHEMIC EXCL. MYOCARDIAL INFARCTION=411-414
DISEASES OF PULMONARY CIRCULATION=415-417
OTHER HEART DISEASE=420-429
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-10
RESIDENT HEART DISEASE DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1988

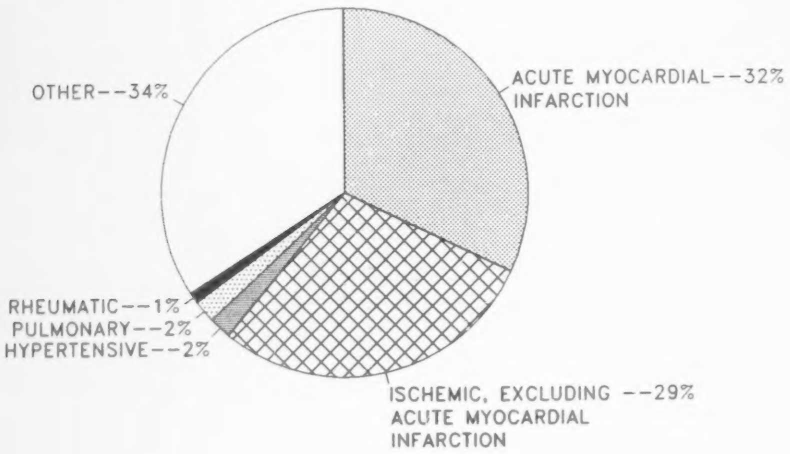


TABLE C-17A
MALIGNANT NEOPLASM DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	28,316	235.9	488,240**	198.6	1968	22,065	187.7	318,547	159.8
1987	28,767	241.0	476,927	195.9	1967	21,450	184.2	310,983	157.2
1986	28,037	235.8	469,376	194.7	1966	21,182	182.0	303,736	155.1
1985	27,901	235.2	461,563	193.3	1965	20,767	180.0	297,588	153.5
1984	27,468	230.8	453,492	191.8	1964	20,611	179.9	289,577	151.3
1983	26,917	226.3	442,986	189.3	1963	20,316	177.8	285,362	151.3
1982	26,483	222.8	433,795	187.2	1962	20,003	175.8	278,562	149.9
1981	26,059	219.6	422,094	184.0	1961	19,933	173.8	273,502	149.4
1980	26,040	219.5	416,509	183.9	1960	19,612	173.3	267,627	149.2
1979	25,374	216.3	403,395	179.6	1959	19,218	169.7	260,047	147.3
1978	25,376	215.9	396,992	181.9	1958	18,856	169.9	254,426	146.8
1977	24,244	205.7	386,686	178.7	1957	19,066	170.8	253,183	148.7
1976	24,175	203.8	377,312	175.8	1956	18,726	168.2	247,357	147.9
1975	23,547	199.1	365,693	171.6	1955	18,259	164.0	240,681	146.5
1974	23,239	196.4	360,472	170.5	1954	17,974	165.0	234,669	145.6
1973	22,709	190.8	351,055	167.3	1953	17,531	161.9	229,079	144.7
1972	22,733	190.6	345,618	166.0	1952	17,335	161.5	223,277	143.3
1971	22,364	188.3	337,398	163.6	1951	16,678	157.4	215,525	140.5
1970	22,013	186.5	330,730	162.3	1950	16,326	155.2	210,733	139.8
1969	22,124	187.4	323,092	160.4					

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-11
MALIGNANT NEOPLASM DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

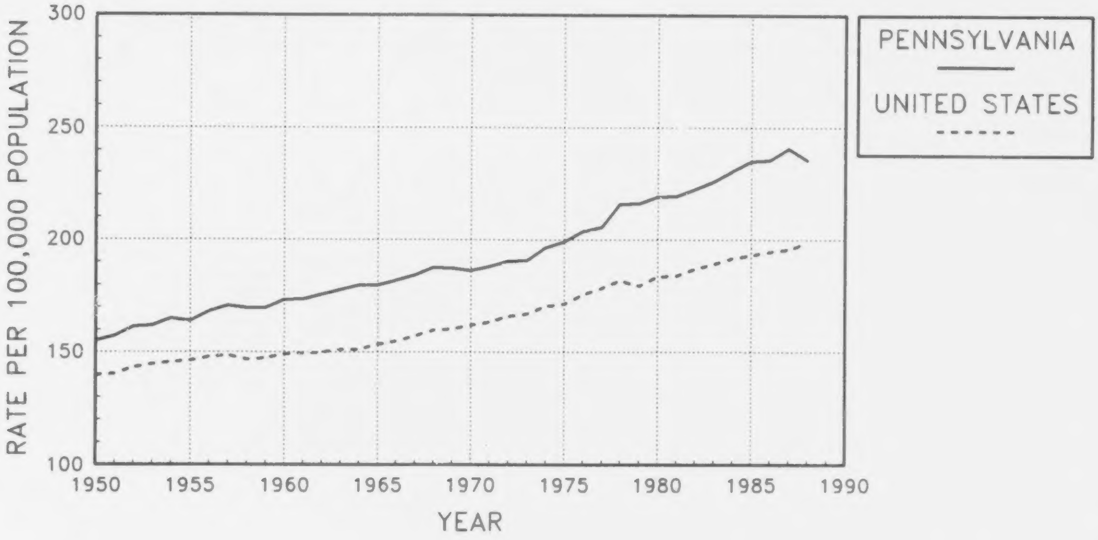


TABLE C-17B
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - MALES*
PENNSYLVANIA, 1988

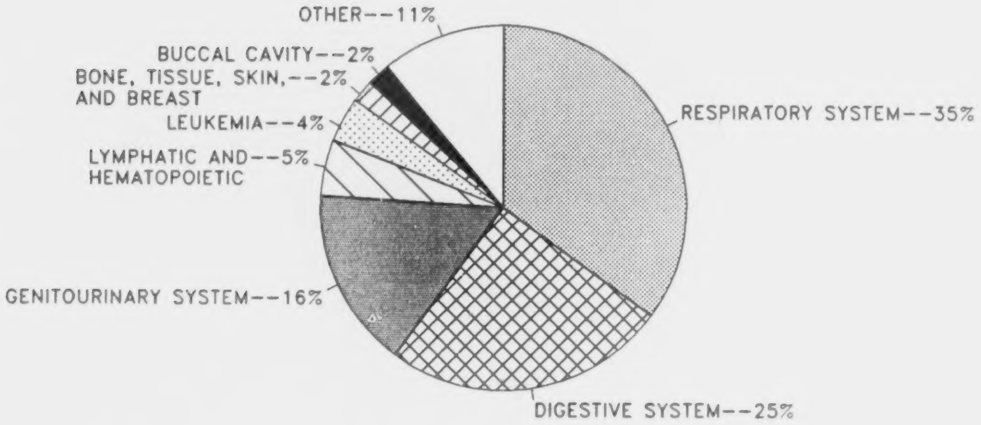
		AGE AT DEATH (IN YEARS)								
MALIGNANT NEOPLASM SITE**	ALL AGES	UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	14,810	17	25	51	116	324	908	3,189	5,127	5,053
BUCCAL CAVITY & PHARYNX	277	0	0	1	1	7	33	80	93	62
DIGESTIVE SYSTEM	3,638	1	1	1	8	66	192	779	1,302	1,288
RESPIRATORY SYSTEM	5,145	0	0	1	9	73	387	1,381	1,896	1,398
BONE, TISSUE, SKIN & BREAST	368	1	2	9	19	29	35	87	101	85
GENITOURINARY SYSTEM	2,349	0	1	5	7	12	48	281	753	1,242
OTHER & UNSPECIFIED SITES	1,643	7	7	7	28	81	133	344	561	475
LEUKEMIA	569	5	13	17	19	22	23	78	169	223
LYMPHATIC & HEMATOPOIETIC	821	3	1	10	25	34	57	159	252	280

TABLE C-17C
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - FEMALES
PENNSYLVANIA, 1988

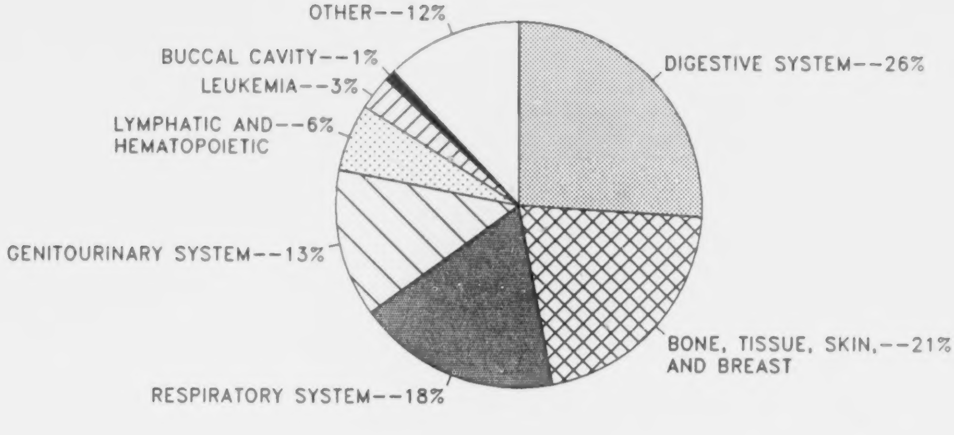
		AGE AT DEATH (IN YEARS)								
MALIGNANT NEOPLASM SITE**	ALL AGES	UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	13,506	10	15	38	132	390	997	2,508	4,122	5,294
BUCCAL CAVITY & PHARYNX	116	0	0	0	0	1	10	26	29	50
DIGESTIVE SYSTEM	3,440	0	0	3	9	45	143	498	1,004	1,738
RESPIRATORY SYSTEM	2,487	0	0	1	6	48	201	604	906	721
BONE, TISSUE, SKIN & BREAST	2,831	0	2	5	46	151	351	646	785	845
GENITOURINARY SYSTEM	1,801	0	0	2	22	56	144	318	563	696
OTHER & UNSPECIFIED SITES	1,554	3	4	8	20	45	88	242	457	687
LEUKEMIA	451	5	7	14	12	18	25	46	123	201
LYMPHATIC & HEMATOPOIETIC	826	2	2	5	17	26	35	128	255	356

* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-12
RESIDENT MALIGNANT NEOPLASM DEATHS BY SEX PERCENT BY TYPE, PENNSYLVANIA, 1988



MALE



FEMALE

TABLE C-17D
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND RACE
NUMBER AND RATE*: PENNSYLVANIA, 1988

MALIGNANT NEOPLASM SITE**	TOTAL	WHITE*** NUMBER	WHITE*** RATE	ALL OTHER RACES NUMBER	ALL OTHER RACES RATE
TOTAL MALIGNANT NEOPLASMS	28,316	25,704	239.0	2,612	209.3
BUCCAL CAVITY & PHARYNX	393	339	3.2	54	4.3
DIGESTIVE SYSTEM	7,078	6,428	59.8	650	52.1
RESPIRATORY SYSTEM	7,632	6,851	63.7	781	62.6
BONE, TISSUE, SKIN & BREAST	3,199	2,951	27.4	248	19.9
GENITOURINARY SYSTEM	4,150	3,748	34.9	402	32.2
OTHER & UNSPECIFIED SITES	3,197	2,921	27.2	276	22.1
LEUKEMIA	1,020	956	8.9	64	5.1
LYMPHATIC & HEMATOPOIETIC	1,647	1,510	14.0	137	11.0

* RATE PER 100,000 POPULATION FOR EACH RACE.

** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLE:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203

***UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

FIGURE C-13
RESIDENT MALIGNANT NEOPLASM DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1988

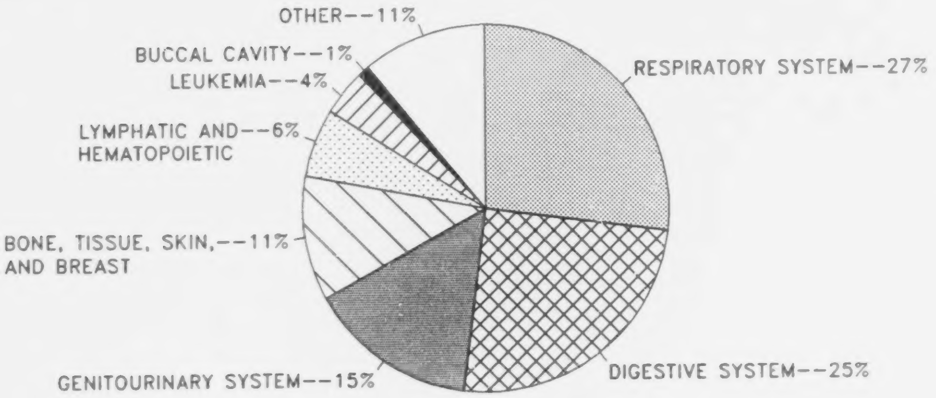


TABLE C-18A
DEATHS DUE TO UNINTENTIONAL INJURY, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

YEAR	PENNSYLVANIA		UNITED STATES		YEAR	PENNSYLVANIA		UNITED STATES	
	NUMBER	RATE	NUMBER	RATE		NUMBER	RATE	NUMBER	RATE
1988	4,437	37.0	97,500**	39.7	1968	5,589	47.5	114,864	57.6
1987	4,464	37.4	95,020	39.0	1967	5,459	46.9	113,169	57.2
1986	4,182	35.2	95,277	39.5	1966	5,223	44.9	113,563	58.0
1985	4,113	34.7	93,457	39.1	1965	5,351	46.4	108,004	55.7
1984	4,178	35.1	92,911	39.3	1964	5,165	45.1	103,843	54.3
1983	4,147	34.9	92,488	39.5	1963	5,154	45.1	100,669	53.4
1982	4,112	34.6	94,082	40.6	1962	5,024	44.2	97,139	52.3
1981	4,375	36.9	100,704	43.9	1961	4,762	41.5	92,249	50.4
1980	4,586	38.7	105,718	46.7	1960	4,866	43.0	93,806	52.3
1979	4,777	40.7	105,312	46.9	1959	5,036	44.5	92,080	52.2
1978	4,487	38.2	105,561	48.4	1958	5,056	45.5	90,604	52.3
1977	4,654	39.5	103,202	47.7	1957	5,374	48.1	95,307	56.0
1976	4,531	38.2	100,761	46.9	1956	5,430	48.8	94,780	56.7
1975	4,702	39.8	103,030	48.4	1955	5,659	50.8	93,443	56.9
1974	4,798	40.6	104,622	49.5	1954	5,472	50.2	90,032	55.9
1973	5,140	43.2	115,821	55.2	1953	5,747	53.1	95,032	60.0
1972	5,259	44.1	115,448	55.4	1952	5,783	53.9	96,172	61.7
1971	5,387	45.3	113,439	55.0	1951	5,831	55.0	95,871	62.5
1970	5,336	45.2	114,638	57.6	1950	5,697	54.2	91,249	60.6
1969	5,362	45.4	116,385	57.8					

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-14
UNINTENTIONAL INJURY DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

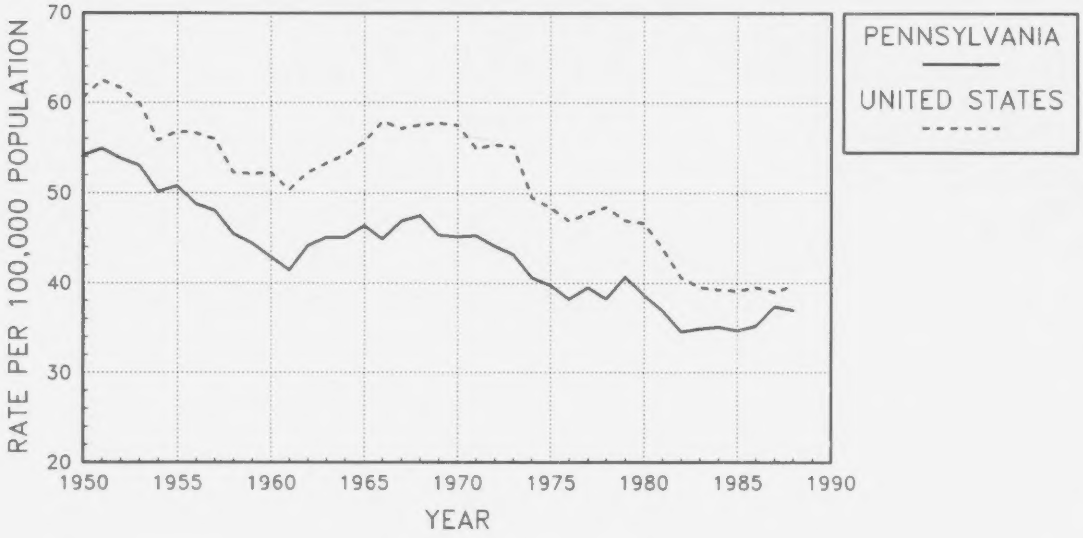


TABLE C-18B
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY BY TYPE AND AGE, PENNSYLVANIA, 1988

DEATHS BY TYPE OF UNINTENTIONAL INJURY*	ALL AGES	AGE AT DEATH (IN YEARS) UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ **
TOTAL	4,437	124	159	748	708	490	293	377	483	1,055
MOTOR VEHICLE	1,958	31	92	578	386	230	134	157	153	197
POISONING	442	2	0	39	171	125	27	21	15	42
SURGICAL COMPLICATIONS, ETC.	213	5	4	3	6	8	11	23	64	89
FALLS	660	3	2	12	18	24	33	54	116	398
FIRES	248	46	20	21	15	25	17	26	27	51
SUBMERSION, SUFFOCATION, ETC.	358	32	22	34	38	18	21	22	44	127
OTHER UNINTENTIONAL INJURIES	558	5	19	61	74	60	50	74	64	151

TABLE C-18C
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY BY TYPE AND SEX NUMBER AND PERCENT: PENNSYLVANIA, 1988

DEATHS BY TYPE OF UNINTENTIONAL INJURY*	TOTAL	MALE *** NUMBER	MALE *** PERCENT	FEMALE NUMBER	FEMALE PERCENT
TOTAL	4,437	2,941	100.0	1,496	100.0
MOTOR VEHICLE	1,958	1,359	46.2	599	40.0
POISONING	442	338	11.5	104	7.0
SURGICAL COMPLICATIONS, ETC.	213	107	3.6	106	7.1
FALLS	660	355	12.1	305	20.4
FIRES	248	139	4.7	109	7.3
SUBMERSION, SUFFOCATION, ETC.	358	223	7.6	135	9.0
OTHER UNINTENTIONAL INJURIES	558	420	14.3	138	9.2

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
MOTOR VEHICLE=E810-E825
POISONING=E850-E869
SURGICAL COMPLICATIONS/MISADVENTURES=E870-E879
FALLS=E880-E888
FIRES=E890-E899
SUBMERSION, SUFFOCATION AND FOREIGN BODIES=E910-E915
OTHER UNINTENTIONAL INJURIES=E800-E807, E826-E848, E900-E909, E916-E49

** UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

*** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C–15
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY AGE GROUP, PENNSYLVANIA, 1988

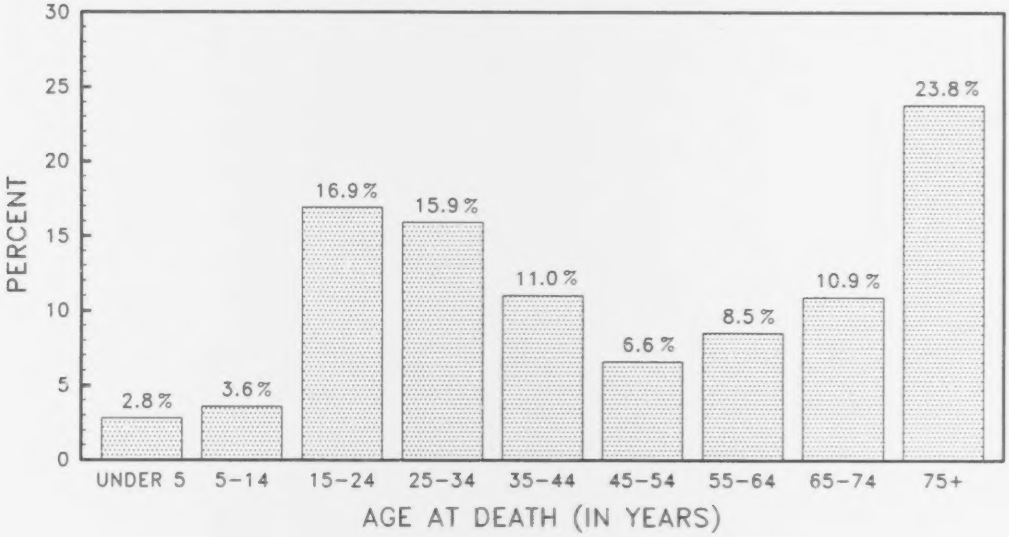


FIGURE C–16
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY TYPE, PENNSYLVANIA, 1988

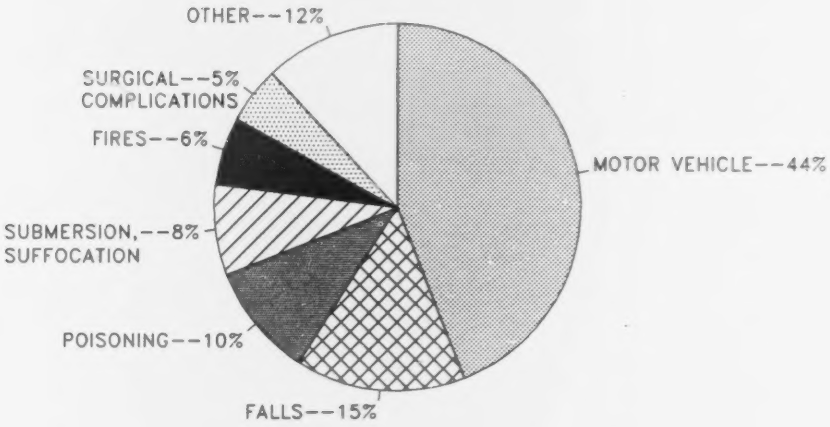


TABLE C-19
CEREBROVASCULAR DISEASE DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	8,036	67.0	150,300**	61.1
1987	8,019	67.2	149,835	61.6
1986	7,961	67.0	149,643	62.1
1985	8,175	68.9	153,050	64.1
1984	8,334	70.0	154,327	65.3
1983	8,384	70.6	155,598	66.5
1982	8,559	72.0	157,710	68.0
1981	8,913	75.1	163,504	71.3
1980	9,539	80.4	170,225	75.1
1979	9,132	77.8	169,488	77.0
1978	9,559	81.4	175,629	80.5
1977	10,356	87.9	181,934	84.1
1976	10,749	90.6	188,623	87.9
1975	11,311	95.6	194,038	91.1
1974	12,014	101.5	207,424	98.1
1973	12,616	106.0	214,313	102.1
1972	12,438	104.3	213,344	102.5
1971	12,472	105.0	209,092	101.1
1970	12,573	106.6	207,166	101.9
1969	12,444	105.4	207,179	102.6
1968	12,994	110.5	211,390	105.8
1967	12,295	105.6	202,184	102.2
1966	12,685	109.0	204,841	104.6
1965	12,466	108.1	201,057	103.7
1964	12,268	107.1	198,209	103.6
1963	12,669	110.9	201,166	106.7
1962	12,623	111.0	197,451	106.3
1961	12,598	109.9	192,951	105.5
1960	12,632	111.6	193,588	108.0
1959	12,780	112.9	191,376	108.5
1958	12,700	114.4	190,758	110.1
1957	12,755	114.2	187,709	110.2
1956	11,997	107.8	177,845	106.3
1955	12,210	109.7	174,142	106.0
1954	11,529	105.8	167,777	104.1
1953	11,921	110.1	169,800	107.3
1952	11,704	109.1	166,331	106.8
1951	11,475	108.3	163,550	106.6
1950	11,043	105.0	156,751	104.0

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-17
CEREBROVASCULAR DISEASE DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

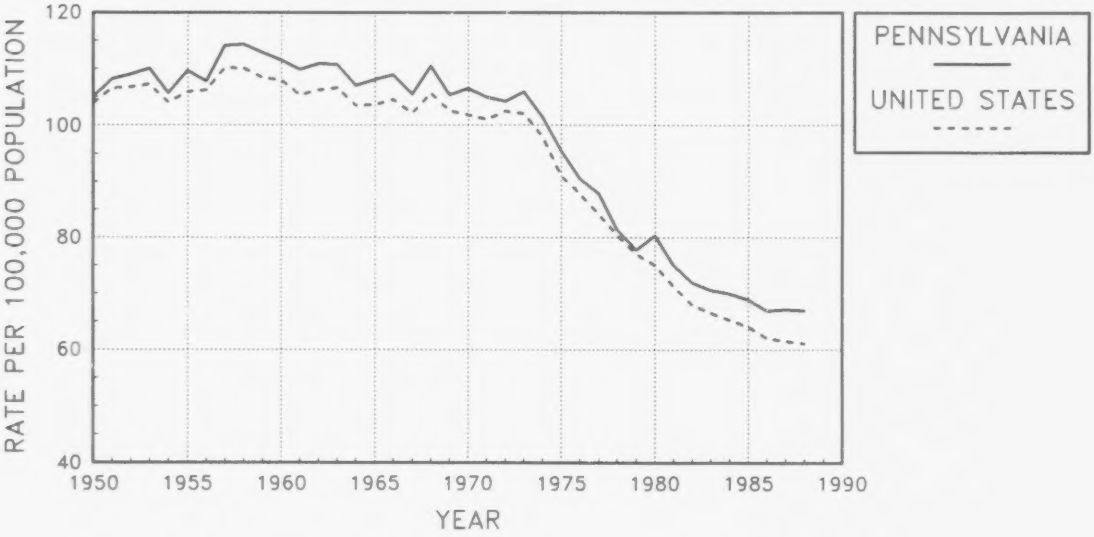


TABLE C-20
PNEUMONIA AND INFLUENZA DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	3,990	33.2	77,330**	31.5
1987	3,669	30.7	69,225	28.4
1986	3,622	30.5	69,812	29.0
1985	3,357	28.3	67,615	28.3
1984	2,885	24.2	58,894	24.9
1983	2,651	22.3	55,854	23.9
1982	2,386	20.1	48,886	21.1
1981	2,682	22.6	53,731	23.4
1980	2,869	24.2	54,619	24.1
1979	2,239	19.1	45,030	20.1
1978	2,776	23.6	58,319	26.7
1977	2,866	24.3	51,193	23.7
1976	3,412	28.8	61,866	28.8
1975	3,187	26.9	55,664	26.1
1974	3,067	25.9	54,777	25.9
1973	3,590	30.2	62,559	29.8
1972	3,476	29.1	62,580	30.1
1971	3,199	26.9	57,194	27.7
1970	3,466	29.4	62,739	30.9
1969	3,896	33.0	68,365	33.9
1968	4,340	36.9	73,492	36.9
1967	3,225	27.7	56,892	28.8
1966	3,515	30.2	63,615	32.5
1965	3,709	32.2	61,903	31.9
1964	3,393	29.6	59,451	31.1
1963	4,294	37.6	70,761	37.5
1962	3,529	31.0	59,995	32.3
1961	3,247	28.3	55,175	30.1
1960	3,889	34.3	66,803	37.3
1959	3,293	29.1	55,039	31.2
1958	3,494	31.5	57,439	33.1
1957	3,833	34.3	61,001	35.8
1956	2,996	26.9	47,103	28.2
1955	2,862	25.7	44,510	27.1
1954	2,406	22.1	40,991	25.4
1953	3,061	28.3	52,238	33.0
1952	3,113	29.0	46,265	29.7
1951	3,379	31.9	48,169	31.4
1950	3,116	29.6	47,120	31.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-18
PNEUMONIA AND INFLUENZA DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

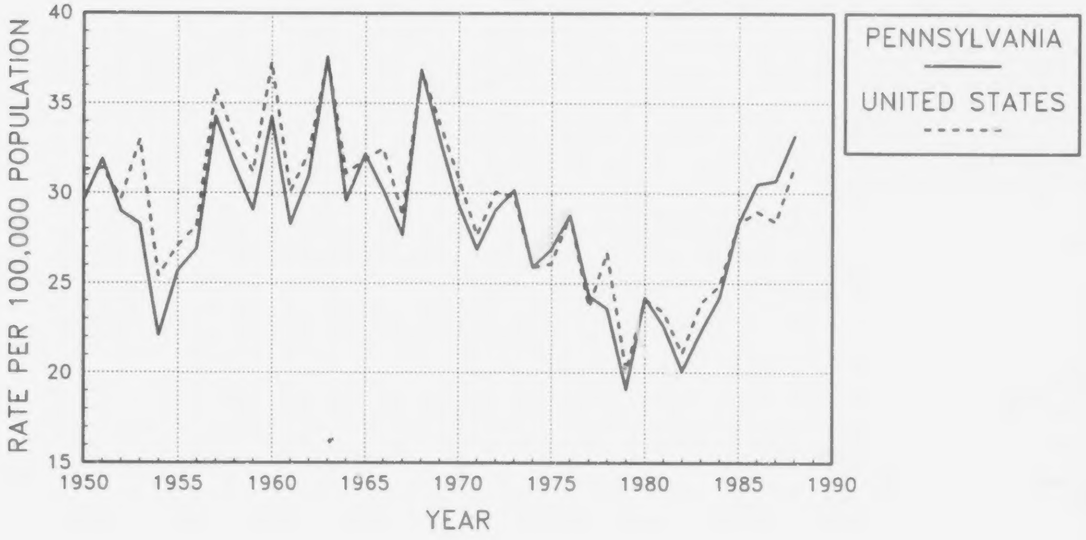


TABLE C-21A
SUICIDE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	1,479	12.3	30,260**	12.3	1968	1,190	10.1	21,372	10.7
1987	1,489	12.5	30,796	12.7	1967	1,059	9.1	21,325	10.8
1986	1,443	12.1	30,904	12.8	1966	1,099	9.4	21,281	10.9
1985	1,432	12.1	29,453	12.3	1965	1,131	9.8	21,507	11.1
1984	1,408	11.8	29,286	12.4	1964	1,100	9.6	20,588	10.8
1983	1,340	11.3	28,295	12.1	1963	1,134	9.9	20,825	11.0
1982	1,344	11.3	28,242	12.2	1962	1,150	10.1	20,207	10.9
1981	1,310	11.0	27,596	12.0	1961	1,097	9.6	18,999	10.4
1980	1,317	11.1	26,869	11.9	1960	1,099	9.7	19,041	10.6
1979	1,346	11.5	27,206	12.1	1959	1,100	9.9	18,633	10.6
1978	1,396	11.9	27,294	12.5	1958	1,113	10.0	18,519	10.7
1977	1,430	12.1	28,681	13.3	1957	1,044	9.3	16,632	9.8
1976	1,371	11.6	26,832	12.5	1956	1,121	10.1	16,727	10.0
1975	1,377	11.6	27,063	12.7	1955	1,035	9.3	16,760	10.2
1974	1,318	11.1	25,683	12.1	1954	988	9.1	16,356	10.1
1973	1,342	11.3	25,118	12.0	1953	1,006	9.3	15,947	10.1
1972	1,349	11.3	25,004	12.0	1952	1,028	9.6	15,567	10.0
1971	1,271	10.7	24,092	11.7	1951	1,083	10.2	15,909	10.4
1970	1,337	11.3	23,480	11.6	1950	1,101	10.5	17,145	11.4
1969	1,133	9.6	22,364	11.1					

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-19
SUICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

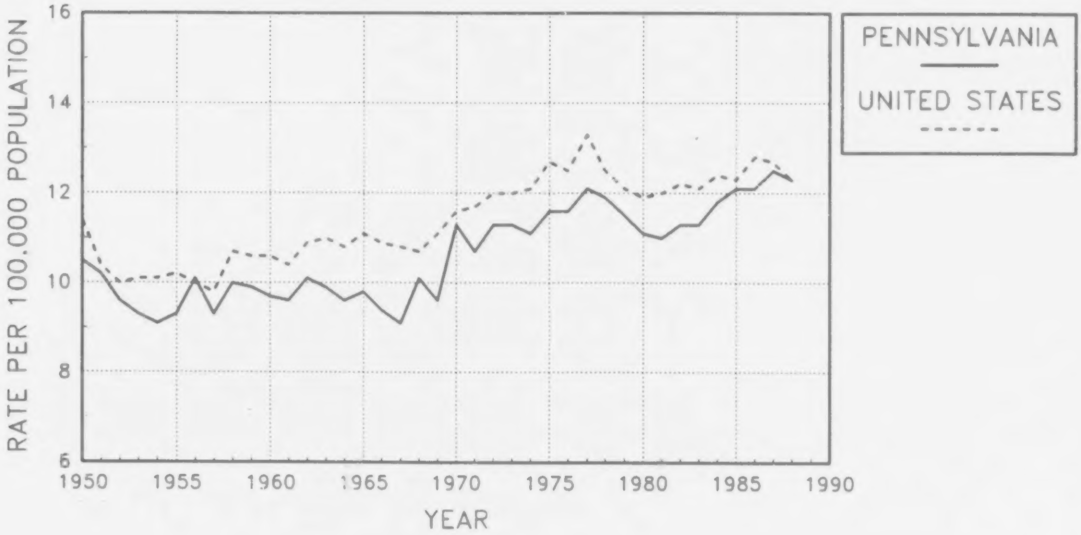


TABLE C-21B
RESIDENT SUICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	1,479	1,210	269	1,369	1,121	248	110	89	21
UNDER 15	12	11	1	9	8	1	3	3	0
15-24	231	202	29	205	181	24	26	21	5
25-34	346	285	61	308	256	52	38	29	9
35-44	242	190	52	222	174	48	20	16	4
45-54	166	131	35	156	122	34	10	9	1
55-64	175	139	36	166	132	34	9	7	2
65-74	175	137	38	173	135	38	2	2	0
75+ ***	132	115	17	130	113	17	2	2	0

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-20
RESIDENT SUICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1988

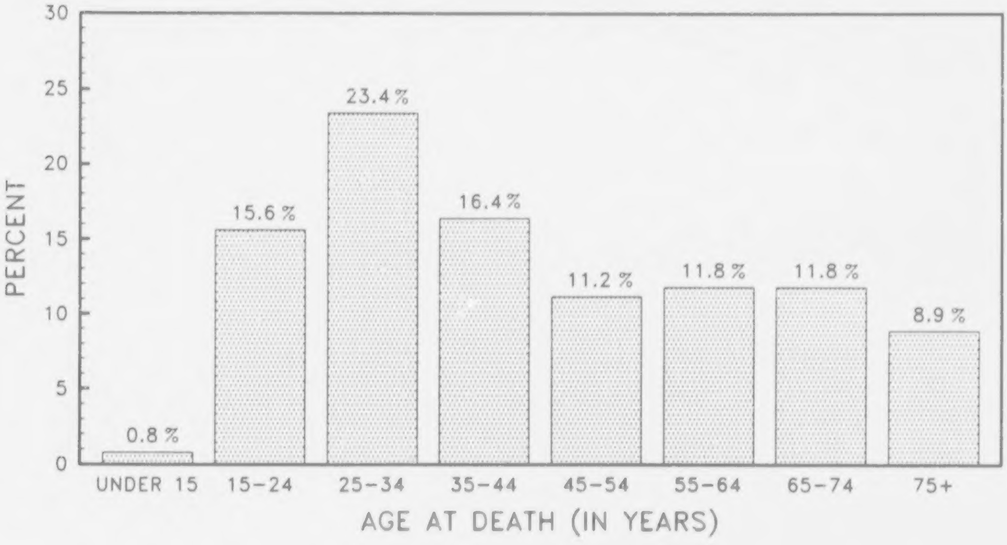


TABLE C-22A
HOMICIDE DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	666	5.5	22,190**	9.0
1987	644	5.4	21,103	8.7
1986	658	5.5	21,731	9.0
1985	588	5.0	19,893	8.3
1984	580	4.9	19,796	8.4
1983	613	5.2	20,191	8.6
1982	713	6.0	22,358	9.6
1981	768	6.5	23,646	10.3
1980	827	7.0	24,278	10.7
1979	760	6.5	22,550	10.0
1978	736	6.3	20,432	9.4
1977	668	5.7	19,968	9.2
1976	746	6.3	19,554	9.1
1975	843	7.1	21,310	10.0
1974	859	7.3	21,465	10.2
1973	826	6.9	20,465	9.8
1972	761	6.4	19,638	9.4
1971	749	6.3	18,787	9.1
1970	657	5.6	16,848	8.3
1969	516	4.4	15,477	7.7
1968	473	4.0	14,686	7.4
1967	459	3.9	13,425	6.8
1966	389	3.3	11,606	5.9
1965	388	3.4	10,712	5.5
1964	403	3.5	9,814	5.1
1963	288	2.5	9,225	4.9
1962	318	2.8	9,013	4.8
1961	304	2.7	8,578	4.7
1960	302	2.7	8,464	4.7
1959	286	2.5	8,159	4.6
1958	273	2.5	7,815	4.5
1957	258	2.3	7,641	4.5
1956	279	2.5	7,629	4.6
1955	248	2.2	7,418	4.5
1954	304	2.8	7,735	4.8
1953	288	2.6	7,640	4.8
1952	288	2.7	8,054	5.2
1951	296	2.8	7,495	4.9
1950	284	2.7	7,942	5.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-21
HOMICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

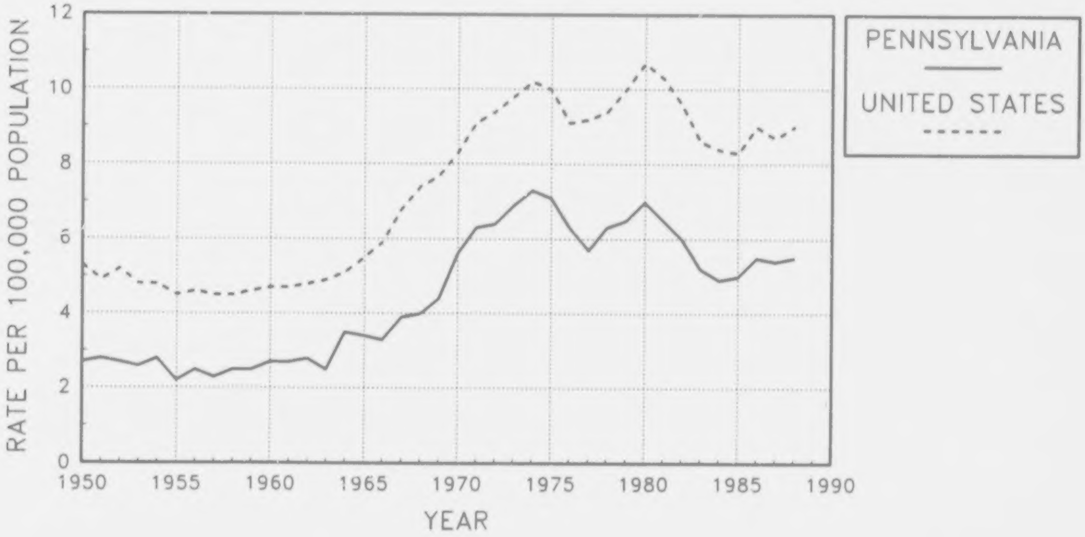


TABLE C-22B
RESIDENT HOMICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	666	479	187	309	199	110	357	280	77
UNDER 15	51	32	19	32	21	11	19	11	8
15-24	177	144	33	58	42	16	119	102	17
25-34	185	130	55	80	51	29	105	79	26
35-44	108	72	36	56	32	24	52	40	12
45-54	54	41	13	28	20	8	26	21	5
55-64	34	26	8	20	15	5	14	11	3
65-74	32	19	13	17	8	9	15	11	4
75+ ***	25	15	10	18	10	8	7	5	2

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-22
RESIDENT HOMICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1988

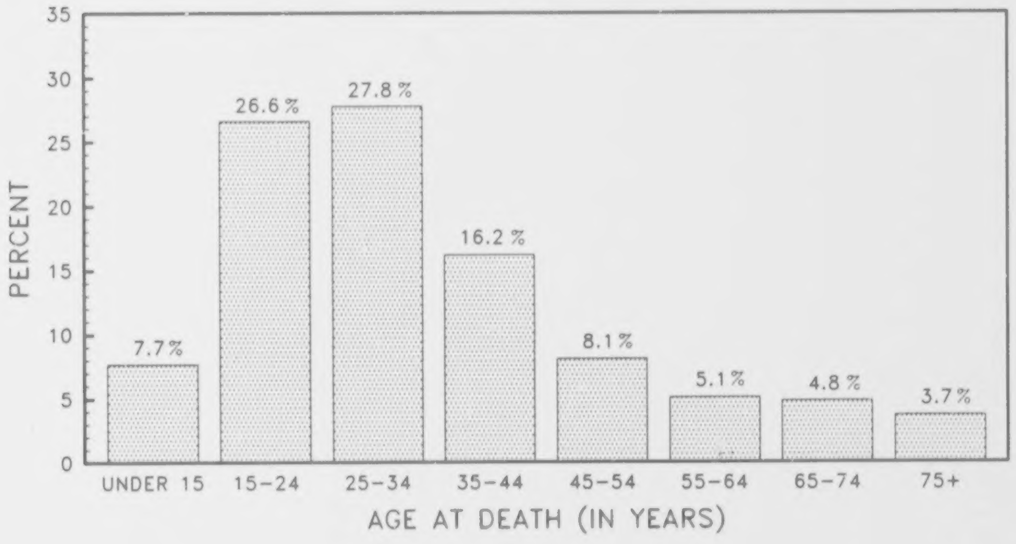


TABLE C-23
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA, 1988

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
ALL COUNTIES	165,169	13.8	125,337	10.4	1,615	9.8	1,092	6.6	1,913	11.4
ADAMS	991	13.3	710	9.6	10	10.1	9	9.1	9	9.0
ALLEGHENY	17,361	12.8	15,742	11.6	169	9.7	124	7.1	239	13.6
ARMSTRONG	841	10.8	871	11.2	10	11.9	10	11.9	14	16.4
BEAVER	2,293	12.1	2,042	10.8	17	7.4	15	6.5	18	7.8
BEDFORD	579	12.1	482	10.0	9	15.5	7	12.1	4	6.9
BERKS	4,441	13.5	3,402	10.3	39	8.8	27	6.1	41	9.1
BLAIR	1,600	12.1	1,591	12.0	13	8.1	7	4.4	20	12.3
BRADFORD	867	13.4	578	9.0	4	4.6	3	3.5	8	9.1
BUCKS	7,677	14.1	3,933	7.2	65	8.5	41	5.3	77	9.9
BUTLER	1,976	12.9	1,367	8.9	16	8.1	11	5.6	18	9.0
CAMBRIA	1,826	10.7	1,865	11.0	16	8.8	9	4.9	17	9.2
CAMERON	85	13.3	70	10.9	0	-	0	-	0	-
CARBON	675	12.0	623	11.1	4	5.9	2	3.0	9	13.2
CENTRE	1,411	12.2	749	6.5	10	7.1	7	5.0	20	14.0
CHESTER	5,541	15.1	2,645	7.2	30	5.4	19	3.4	53	9.5
CLARION	490	11.7	397	9.5	0	-	0	-	10	20.0
CLEARFIELD	1,009	12.4	897	11.0	6	5.9	4	4.0	8	7.9
CLINTON	429	11.3	386	10.2	3	7.0	0	-	5	11.5
COLUMBIA	764	12.5	702	11.5	8	10.5	6	7.9	11	14.2
CRAWFORD	1,096	12.7	867	10.1	10	9.1	7	6.4	13	11.7
CUMBERLAND	2,221	11.4	1,643	8.4	15	6.8	9	4.1	25	11.1
DAUPHIN	3,513	14.6	2,379	9.9	33	9.4	21	6.0	46	12.9
DELAWARE	8,137	14.6	5,811	10.4	80	9.8	53	6.5	88	10.7
ELK	515	14.0	399	10.9	4	7.8	4	7.8	3	5.8
ERIE	4,008	14.5	2,597	9.4	41	10.2	27	6.7	43	10.6
FAYETTE	1,759	11.6	1,772	11.6	19	10.8	14	8.0	26	14.6
FOREST	51	10.9	67	14.3	0	-	0	-	1	19.2
FRANKLIN	1,596	13.3	1,062	8.8	12	7.5	4	2.5	22	13.6
FULTON	171	11.9	124	8.6	4	23.4	3	17.5	1	5.8
GREENE	477	12.0	422	10.6	8	16.8	4	8.4	6	12.4
HUNTINGDON	515	11.9	427	9.9	2	3.9	2	3.9	6	11.5
INDIANA	1,023	11.1	824	9.0	14	13.7	11	10.8	13	12.5
JEFFERSON	600	12.6	555	11.6	3	5.0	2	3.3	4	6.6
JUNIATA	285	14.0	211	10.4	3	10.5	1	3.5	0	-
LACKAWANNA	2,721	12.2	2,873	12.9	22	8.1	17	6.2	25	9.1
LANCASTER	6,886	16.6	3,509	8.5	60	8.7	37	5.4	58	8.4
LAWRENCE	1,123	11.1	1,133	11.2	9	8.0	7	6.2	5	4.4
LEBANON	1,481	13.0	1,157	10.1	14	9.5	8	5.4	14	9.4
LEHIGH	3,882	13.4	2,724	9.4	34	8.8	27	7.0	44	11.2
LUZERNE	3,824	11.5	4,581	13.8	26	6.8	18	4.7	34	8.8
LYCOMING	1,626	13.7	1,135	9.6	17	10.5	12	7.4	14	8.5
MCKEAN	529	11.5	615	13.3	4	7.6	2	3.8	4	7.5
MERCER	1,495	12.2	1,308	10.7	10	6.7	6	4.0	17	11.2
MIFFLIN	642	13.7	487	10.4	5	7.8	5	7.8	11	16.8
MONROE	1,266	13.5	816	8.7	12	9.5	8	6.3	13	10.2
MONTGOMERY	9,647	14.0	6,238	9.1	70	7.3	53	5.5	103	10.6
MONTOUR	279	16.9	231	14.0	4	14.3	2	7.2	5	17.6
NORTHAMPTON	3,173	13.0	2,336	9.6	24	7.6	16	5.0	23	7.2
NORTHUMBERLAND	1,176	12.0	1,189	12.1	2	1.7	0	-	13	10.9
PERRY	576	14.1	327	8.0	2	3.5	1	1.7	6	10.3
PHILADELPHIA	28,940	17.6	20,707	12.6	497	17.2	328	11.3	451	15.3
PIKE	334	12.5	242	9.0	2	6.0	1	3.0	0	-
POTTER	234	13.0	199	11.1	1	4.3	1	4.3	2	8.5
SCHUYLKILL	1,745	11.3	2,084	13.5	19	10.9	14	8.0	21	11.9
SNYDER	529	14.5	295	8.1	4	7.6	2	3.8	4	7.5
SOMERSET	993	12.3	855	10.6	7	7.0	5	5.0	8	8.0
SULLIVAN	52	8.1	85	13.3	0	-	0	-	0	-
SUSQUEHANNA	564	13.8	386	9.4	3	5.3	0	-	4	7.0
TIOGA	493	12.2	421	10.4	5	10.1	3	6.1	7	14.0
UNION	456	13.1	318	9.1	2	4.4	2	4.4	5	10.8
VENANGO	731	12.0	683	11.2	6	8.2	3	4.1	11	14.8
WARREN	582	12.8	462	10.1	4	6.9	4	6.9	3	5.1
WASHINGTON	2,353	11.3	2,375	11.4	18	7.6	10	4.2	27	11.3
WAYNE	514	12.7	431	10.6	2	3.9	2	3.9	6	11.5
WESTMORELAND	4,375	11.6	3,799	10.0	19	4.3	14	3.2	45	10.2
WYOMING	349	12.3	253	8.9	2	5.7	2	5.7	1	2.9
YORK	4,776	14.2	2,871	8.5	32	6.7	19	4.0	51	10.6

* BIRTH AND DEATH CRUDE RATES PER 1,000 ESTIMATED 1988 POPULATION. INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS. FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS PLUS FETAL DEATHS).

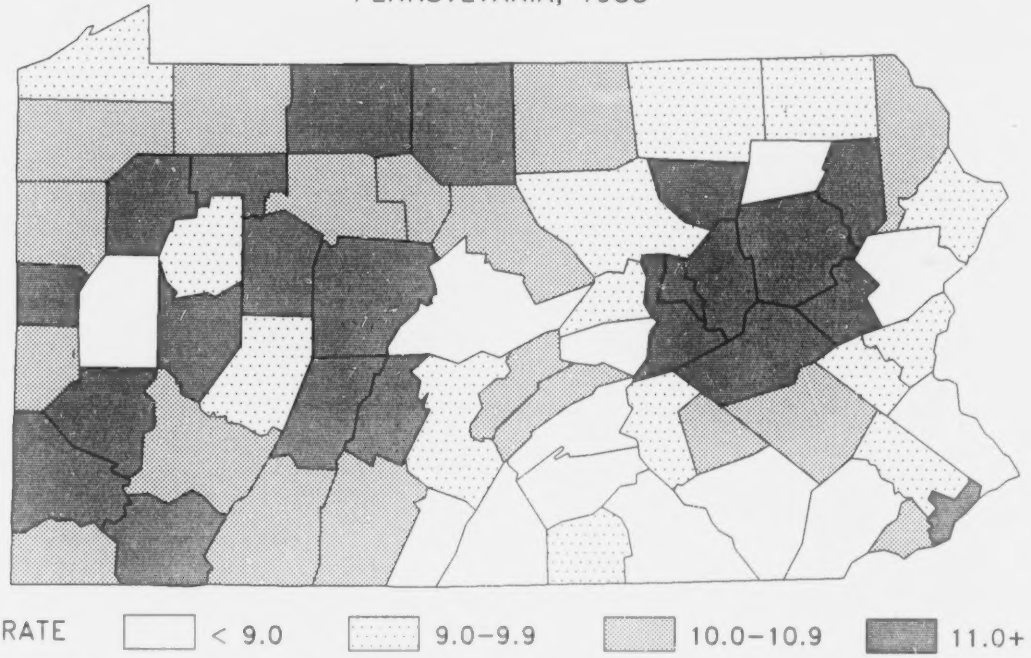
**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

TABLE C-24
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS BY COUNTY
NUMBER AND RATE*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

	ALL DEATHS 1984-1988		INFANT DEATHS 1984-1988		NEONATAL DEATHS 1984-1988	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	618,766	10.4	8,265	10.3	5,670	7.0
ADAMS	3,343	9.3	38	7.6	26	5.2
ALLEGHENY	78,394	11.4	988	11.2	754	8.6
ARMSTRONG	4,292	10.9	45	9.5	34	7.2
BEAVER	9,827	10.2	116	10.1	72	6.3
BEDFORD	2,369	9.9	27	9.6	19	6.7
BERKS	16,455	10.2	198	9.3	143	6.7
BLAIR	7,930	12.0	85	10.3	60	7.3
BRADFORD	2,973	9.3	27	6.1	17	3.8
BUCKS	19,366	7.4	260	7.1	175	4.8
BUTLER	6,921	9.1	95	9.4	66	6.6
CAMBRIA	9,778	11.3	85	8.8	56	5.8
CAMERON	374	11.5	2	4.2	0	-
CARBON	3,305	12.1	21	6.9	14	4.6
CENTRE	3,629	6.3	61	8.9	43	6.3
CHESTER	12,968	7.5	215	8.4	146	5.7
CLARION	2,065	9.8	17	6.5	9	3.5
CLEARFIELD	4,359	10.6	60	11.1	35	6.5
CLINTON	1,917	10.1	24	10.5	13	5.7
COLUMBIA	3,280	10.7	29	8.0	13	3.6
CRAWFORD	4,493	10.3	72	12.3	46	7.9
CUMBERLAND	7,886	8.3	95	8.8	65	6.0
DAUPHIN	11,830	10.0	177	10.4	130	7.6
DELAWARE	28,911	10.4	360	9.0	268	6.7
ELK	1,857	10.0	20	7.8	15	5.8
ERIE	12,926	9.3	216	10.7	145	7.2
FAYETTE	8,871	11.4	94	10.2	65	7.0
FOREST	309	12.9	2	7.7	2	7.7
FRANKLIN	5,285	8.9	60	7.9	32	4.2
FULTON	578	8.3	7	7.6	6	6.5
GREENE	2,206	10.9	32	12.7	21	8.3
HUNTINGDON	2,042	9.5	14	5.2	11	4.1
INDIANA	3,994	8.7	62	11.4	47	8.6
JEFFERSON	2,648	11.0	25	8.0	19	6.0
JUNIATA	1,029	10.3	15	10.9	8	5.8
LACKAWANNA	14,090	12.6	118	8.8	82	6.1
LANCASTER	16,874	8.5	262	8.3	177	5.6
LAWRENCE	5,637	11.0	54	9.1	34	5.7
LEBANON	5,653	10.1	62	8.5	38	5.2
LEHIGH	13,692	9.7	160	8.7	116	6.3
LUZERNE	21,884	13.2	156	8.4	106	5.7
LYCOMING	5,753	9.8	66	8.2	36	4.5
MCKEAN	2,860	12.1	25	8.3	15	5.0
MERCER	6,458	10.4	51	7.1	36	5.0
MIFFLIN	2,399	10.3	25	7.8	14	4.4
MONROE	3,691	8.8	39	7.6	28	5.4
MONTGOMERY	30,895	9.2	378	8.3	263	5.8
MONTOUR	1,107	13.3	7	5.7	4	3.2
NORTHAMPTON	11,086	9.4	120	8.4	78	5.5
NORTHUMBERLAND	6,269	12.6	34	5.7	21	3.5
PERRY	1,617	8.3	19	6.9	11	4.0
PHILADELPHIA	102,087	12.4	2,229	16.2	1,480	10.8
PIKE	1,184	10.3	12	9.0	9	6.7
POTTER	902	9.9	15	11.4	7	5.3
SCHUYLKILL	10,587	13.6	79	9.1	52	6.0
SNYDER	1,512	8.5	19	7.5	13	5.1
SOMERSET	4,230	10.4	50	10.1	30	6.0
SULLIVAN	417	13.2	1	3.3	0	-
SUSQUEHANNA	1,955	9.8	19	6.9	10	3.6
TIOGA	1,977	9.8	17	6.7	12	4.7
UNION	1,514	8.8	20	9.1	14	6.4
VENANGO	3,210	10.3	43	10.9	31	7.9
WARREN	2,409	10.4	31	10.0	18	5.8
WASHINGTON	11,603	10.9	118	9.9	86	7.2
WAYNE	2,126	10.9	22	9.0	14	5.7
WESTMORELAND	19,444	10.2	164	7.5	128	5.9
WYOMING	1,172	8.4	17	9.1	11	5.9
YORK	14,062	8.6	189	8.5	121	5.4

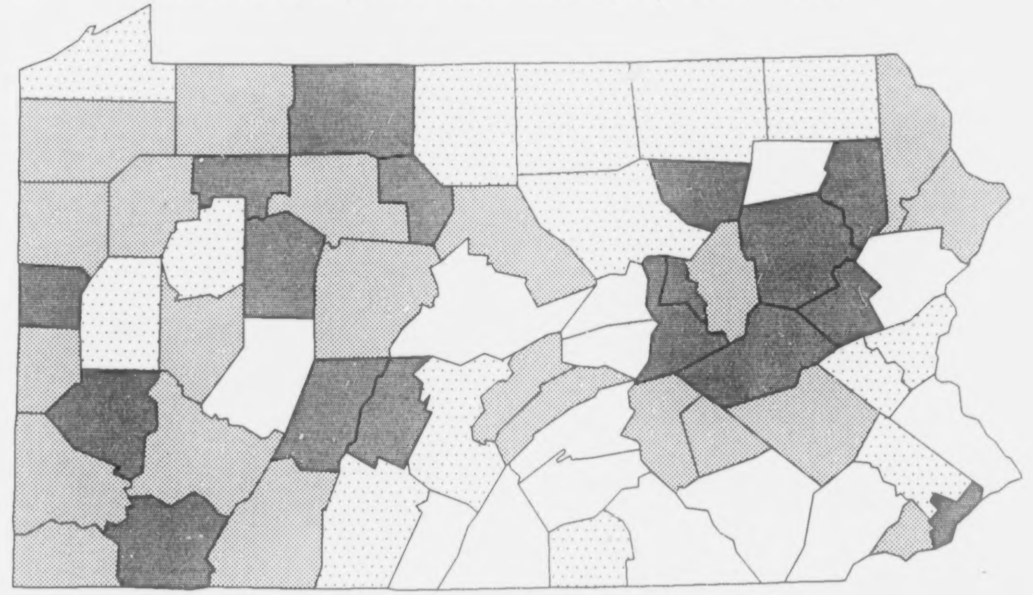
* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH COUNTY, 1984-1988.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH COUNTY, 1984-1988.

FIGURE C-23
RESIDENT CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, 1988


RATE
< 9.0
9.0–9.9
10.0–10.9
11.0+

NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE C-23 FOR COUNTY RATES.

FIGURE C-24
RESIDENT CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984–1988


RATE
< 9.0
9.0–9.9
10.0–10.9
11.0+

NOTE: RATE PER 1,000 POPULATION, 1984–1988. SEE TABLE C-24 FOR COUNTY RATES.

FIGURE C−25
RESIDENT INFANT DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984−1988

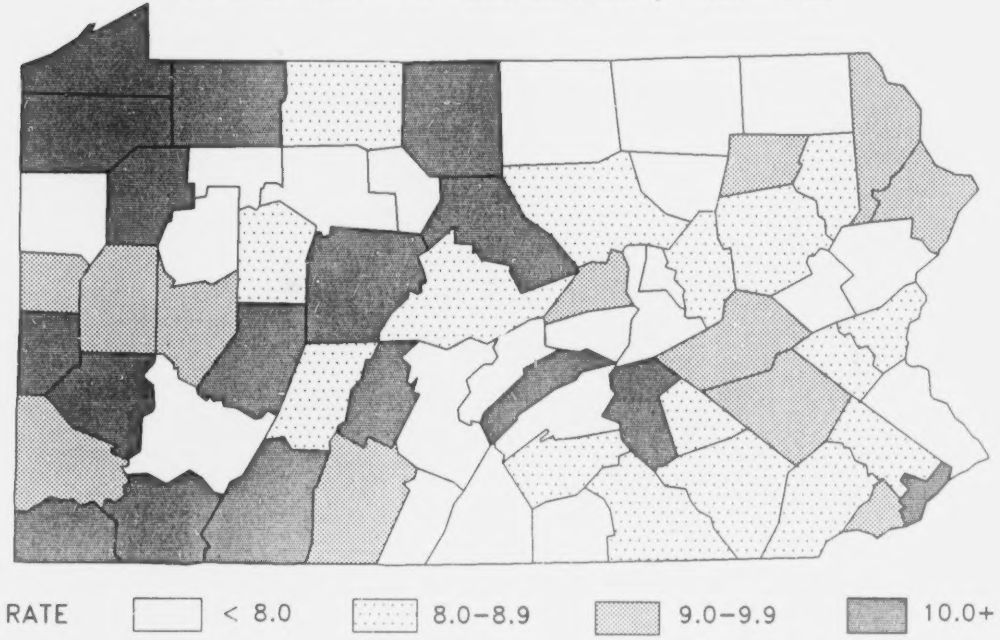
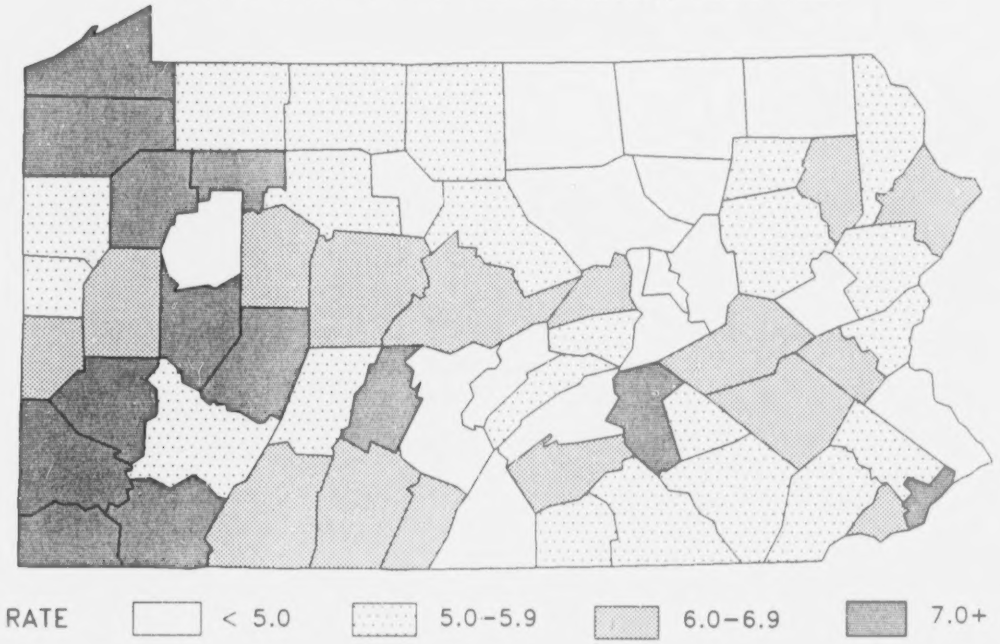

RATE
< 8.0
8.0−8.9
9.0−9.9
10.0+

FIGURE C−26
RESIDENT NEONATAL DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984−1988


RATE
< 5.0
5.0−5.9
6.0−6.9
7.0+

NOTE: RATE PER 1,000 LIVE BIRTHS, 1984−1988. SEE TABLE C−24 FOR COUNTY RATES.

TABLE C-25
AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988

	1988			1984-1988		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.5	7.2	4.1	5.5	7.3	4.2
ADAMS	5.3	6.5	4.4	5.3	6.8	4.0
ALLEGHENY	5.5	7.2	4.3	5.6	7.4	4.3
ARMSTRONG	5.3	6.8	4.1	5.2	6.7	4.0
BEAVER	5.4	6.7	4.2	5.3	6.8	4.1
BEDFORD	5.4	7.4	3.7	5.4	7.1	3.9
BERKS	5.0	6.4	3.9	5.0	6.6	3.8
BLAIR	5.8	8.0	4.0	5.8	7.8	4.3
BRADFORD	4.7	5.8	3.7	5.1	6.7	3.7
BUCKS	5.3	6.8	4.1	5.2	6.6	4.1
BUTLER	5.2	6.8	4.0	5.4	7.0	4.1
CAMBRIA	5.2	7.1	3.7	5.5	7.4	4.0
CAMERON	5.1	7.3	3.6	5.7	7.4	4.4
CARBON	5.3	7.0	3.8	5.6	7.6	4.0
CENTRE	5.0	6.7	3.8	4.9	6.3	3.8
CHESTER	5.1	6.5	3.8	5.1	6.6	3.9
CLARION	5.1	6.6	3.8	5.5	7.4	4.0
CLEARFIELD	5.4	6.7	4.3	5.5	7.1	4.2
CLINTON	5.4	7.0	4.0	5.5	7.2	4.0
COLUMBIA	5.8	7.8	4.2	5.3	6.8	4.1
CRAWFORD	5.0	6.6	3.6	5.3	6.8	4.1
CUMBERLAND	4.8	6.4	3.7	4.7	6.2	3.6
DAUPHIN	5.5	7.1	4.3	5.5	7.3	4.2
DELAWARE	5.3	6.9	4.2	5.4	7.0	4.2
ELK	5.7	7.2	4.4	5.2	6.7	4.1
ERIE	5.5	7.1	4.2	5.5	7.2	4.2
FAYETTE	5.8	7.9	4.1	5.8	7.7	4.3
FOREST	6.1	6.6	5.4	6.0	7.5	4.6
FRANKLIN	4.8	5.8	4.0	4.9	6.3	3.8
FULTON	5.2	6.8	3.8	5.0	6.5	3.7
GREENE	5.3	7.0	3.9	5.8	7.6	4.3
HUNTINGDON	5.6	7.0	4.5	5.6	7.6	3.9
INDIANA	5.4	6.5	4.5	5.3	6.6	4.1
JEFFERSON	5.5	6.8	4.4	5.3	6.8	4.1

(CONTINUED)

TABLE C-25
AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988

	1988			1984 - 1988		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
JUNIATA	5.8	7.6	4.2	5.6	7.1	4.3
LACKAWANNA	5.7	7.7	4.2	5.6	7.7	4.1
LANCASTER	4.9	6.2	3.8	4.7	6.0	3.7
LAWRENCE	5.0	6.5	3.9	5.1	6.6	3.9
LEBANON	5.4	6.9	4.1	5.4	7.2	4.0
LEHIGH	4.9	6.6	3.6	5.1	6.7	3.8
LUZERNE	6.0	8.1	4.4	5.9	8.1	4.3
LYCOMING	5.0	7.0	3.5	5.1	6.8	3.8
MCKEAN	5.4	6.9	4.1	5.4	7.0	4.1
MERCER	5.0	6.6	3.8	5.1	6.5	3.9
MIFFLIN	5.3	7.3	3.9	5.4	7.4	3.8
MONROE	5.6	7.1	4.3	5.1	6.6	3.7
MONTGOMERY	4.6	5.8	3.6	4.6	6.0	3.6
MONTOUR	6.2	7.3	5.2	5.8	7.1	4.8
NORTHAMPTON	5.1	6.6	3.9	4.9	6.4	3.7
NORTHUMBERLAND	5.3	7.2	3.8	5.6	7.6	4.1
PERRY	5.6	7.0	4.3	5.6	7.0	4.3
PHILADELPHIA	7.3	9.9	5.3	7.2	9.7	5.3
PIKE	4.8	6.1	3.6	4.9	6.2	3.6
POTTER	5.4	7.0	4.1	5.0	6.4	3.8
SCHUYLKILL	5.7	7.7	4.2	6.1	8.3	4.4
SNYDER	5.1	6.3	4.1	5.3	6.9	4.0
SOMERSET	5.2	6.9	3.9	5.3	7.1	3.9
SULLIVAN	5.5	6.8	4.4	5.7	7.8	3.9
SUSQUEHANNA	5.2	6.4	4.1	5.3	6.9	3.9
TIOGA	5.3	6.9	4.0	5.1	6.7	3.8
UNION	5.4	6.9	4.3	5.1	6.8	3.8
VENANGO	5.7	7.6	4.2	5.6	7.4	4.2
WARREN	5.0	6.2	3.9	5.3	6.5	4.2
WASHINGTON	5.5	7.3	4.0	5.4	7.2	4.1
WAYNE	5.2	7.1	3.6	5.1	6.7	3.8
WESTMORELAND	5.0	6.4	3.8	5.3	6.9	4.0
WYOMING	5.2	6.5	4.0	5.2	6.7	3.9
YORK	5.0	6.4	3.8	4.9	6.3	3.7

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* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 1,000 POPULATION.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: THE AGE-ADJUSTED RATES BY SEX AND COUNTY THAT APPEARED IN THE 1985, 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. PLEASE REFER TO APPENDIX C IN THE BACK OF THIS PUBLICATION FOR THE CORRECTED AGE-ADJUSTED RATES.

FIGURE C-27
AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1988

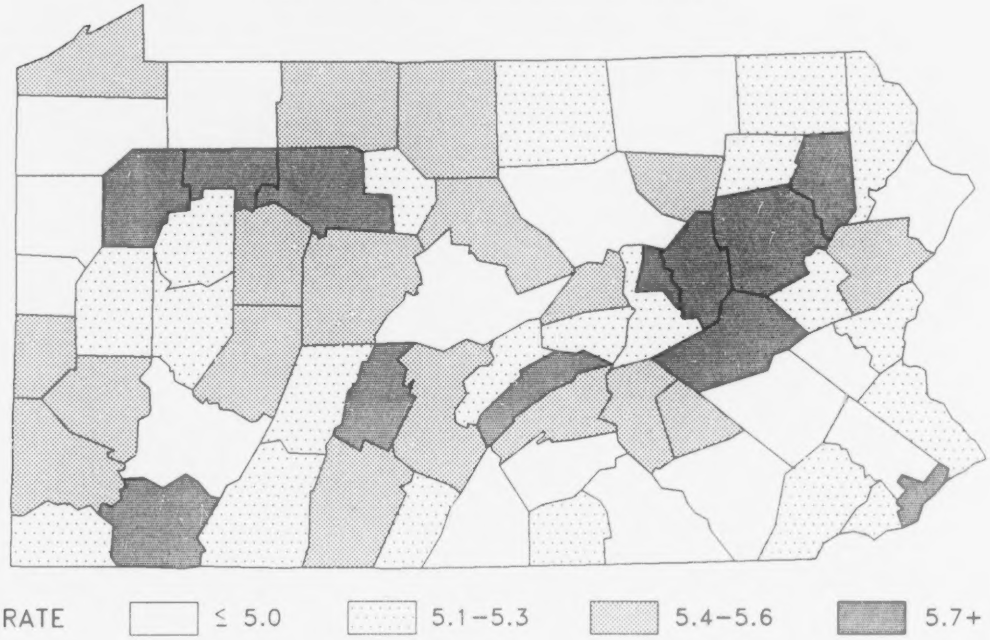
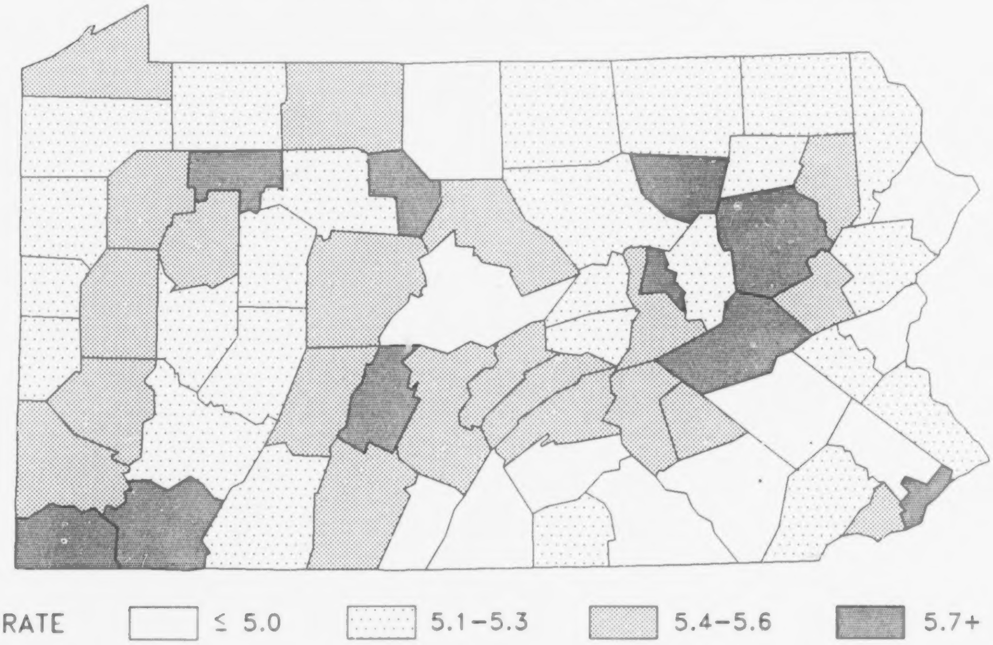

RATE
☐ ≤ 5.0
▨ 5.1-5.3
▨ 5.4-5.6
▨ 5.7+

FIGURE C-28
AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, FIVE YEAR SUMMARY, 1984-1988


RATE
☐ ≤ 5.0
▨ 5.1-5.3
▨ 5.4-5.6
▨ 5.7+

NOTE: SEE TABLE C-25 FOR COUNTY RATES AND THE DEFINITION OF RATE.

TABLE C-26
AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH BY COUNTY, PENNSYLVANIA RESIDENTS, FIVE YEAR SUMMARY, 1984-1988

COUNTY	HEART DISEASE	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	UNINTENTIONAL INJURIES
ALL COUNTIES	188.9	141.2	29.2	29.8
ADAMS	193.6	128.6	26.8	38.9
ALLEGHENY	198.2	149.9	29.2	22.6
ARMSTRONG	199.7	131.8	25.8	29.3
BEAVER	191.4	138.3	27.6	27.6
BEDFORD	194.7	131.4	34.8	50.5
BERKS	161.5	132.9	27.0	30.8
BLAIR	222.8	137.8	27.4	31.8
BRADFORD	156.3	121.3	23.4	51.8
BUCKS	167.9	132.5	32.0	28.0
BUTLER	192.9	142.0	27.1	33.1
CAMBRIA	205.4	130.9	28.8	28.3
CAMERON	167.0	134.7	51.7	54.6
CARBON	210.5	132.9	25.6	41.2
CENTRE	187.2	129.3	25.4	25.0
CHESTER	169.8	136.0	28.2	31.7
CLARION	216.4	132.7	38.4	25.2
CLEARFIELD	204.1	132.9	26.5	39.9
CLINTON	205.1	128.1	32.9	37.3
COLUMBIA	189.8	132.9	33.9	28.6
CRAWFORD	180.9	124.3	29.4	42.2
CUMBERLAND	163.5	127.2	31.8	21.5
DAUPHIN	202.9	138.8	30.8	30.4
DELAWARE	179.9	148.3	30.2	20.5
ELK	186.0	127.8	38.3	28.7
ERIE	188.7	142.0	39.3	30.4
FAYETTE	217.1	136.7	31.8	37.7
FOREST	219.4	146.1	35.1	56.8
FRANKLIN	167.8	123.9	26.6	35.0
FULTON	183.2	117.2	20.1	38.3
GREENE	236.2	123.4	28.6	39.2
HUNTINGDON	198.4	157.8	22.0	43.6
INDIANA	181.0	128.7	28.6	40.7
JEFFERSON	188.6	136.0	27.1	40.0
JUNIATA	183.2	116.1	36.7	54.8
LACKAWANNA	221.2	143.2	26.7	24.6
LANCASTER	161.2	127.8	26.0	25.7
LAWRENCE	195.7	122.2	29.5	29.8
LEBANON	209.4	135.5	27.1	29.8
LEHIGH	183.5	134.9	23.9	25.1
LUZERNE	228.6	136.4	28.1	29.0
LYCOMING	179.3	132.4	28.9	34.7
MCKEAN	225.5	119.7	22.3	42.2
MERCER	185.2	126.5	25.1	32.1
MIFFLIN	199.6	127.6	28.0	30.7
MONROE	188.2	127.3	21.2	41.4
MONTGOMERY	150.9	131.4	25.3	24.7
MONTOUR	215.3	138.3	31.2	41.0
NORTHAMPTON	184.3	127.4	22.9	25.1
NORTHUMBERLAND	208.8	139.1	32.8	37.7
PERRY	197.4	135.3	37.7	38.4
PHILADELPHIA	191.2	174.8	34.7	32.8
PIKE	179.4	110.5	22.6	36.7
POTTER	173.9	127.6	29.3	38.8
SCHUYLKILL	213.9	142.1	31.9	40.0
SNYDER	200.1	120.3	28.9	45.5
SOMERSET	206.4	128.6	27.3	39.1
SULLIVAN	209.8	148.4	19.5	51.7
SUSQUEHANNA	202.0	120.9	24.5	48.7
TIOGA	175.7	122.6	30.0	44.9
UNION	184.0	115.7	28.1	39.0
VENANGO	205.4	124.8	31.5	40.0
WARREN	178.7	125.8	31.8	44.9
WASHINGTON	199.9	136.4	27.0	30.4
WAYNE	190.0	120.1	26.0	53.6
WESTMORELAND	198.9	134.5	29.0	30.9
WYOMING	188.3	116.7	31.1	46.8
YORK	173.5	135.0	25.7	29.7

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.

TABLE C-27
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1988

	AGE AT DEATH (IN YEARS)												
COUNTY	TOTAL DEATHS	UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
ALL COUNTIES	125,337	1,926	186	165	588	941	2,387	3,261	5,643	15,573	30,813	36,925	26,929
ADAMS	710	11	2	1	4	6	19	16	21	71	150	225	184
ALLEGHENY	15,742	194	13	20	46	69	267	395	665	2,142	4,008	4,713	3,210
ARMSTRONG	871	10	1	3	6	10	14	11	38	105	227	259	187
BEAVER	2,042	22	3	3	11	11	24	35	88	288	545	615	397
BEDFORD	482	10	1	0	4	6	12	15	15	51	127	133	108
BERKS	3,402	43	3	5	14	16	56	76	124	370	832	1,056	807
BLAIR	1,591	15	0	1	12	9	25	38	53	181	423	462	372
BRADFORD	578	7	1	2	4	8	18	18	14	51	120	192	143
BUCKS	3,933	77	8	4	22	52	95	128	206	514	933	1,078	816
BUTLER	1,367	18	1	1	5	11	30	51	64	152	318	376	340
CAMBRIA	1,865	19	1	1	9	15	24	31	65	238	518	582	362
CAMERON	70	0	0	0	2	0	0	4	1	9	17	23	14
CARBON	623	6	0	1	4	3	7	16	22	72	199	170	123
CENTRE	749	12	1	0	4	4	15	10	28	94	181	234	166
CHESTER	2,645	38	2	4	20	26	72	76	113	355	617	695	627
CLARION	397	0	2	0	2	8	4	9	19	44	77	117	115
CLEARFIELD	897	7	1	2	3	6	16	22	24	90	249	303	174
CLINTON	386	9	1	1	5	6	6	10	18	29	100	116	85
COLUMBIA	702	13	0	1	0	7	7	16	33	84	158	214	169
CRAWFORD	867	13	1	0	4	4	13	26	32	87	205	274	208
CUMBERLAND	1,643	18	2	2	5	17	23	34	61	221	388	462	410
DAUPHIN	2,379	44	4	3	13	20	48	63	101	297	583	699	504
DELAWARE	5,811	93	9	11	12	29	106	146	260	747	1,419	1,644	1,335
ELK	399	6	2	1	2	1	5	7	19	56	103	126	71
ERIE	2,597	51	6	5	24	20	44	58	108	317	679	718	567
FAYETTE	1,772	24	1	2	10	24	29	43	77	235	486	522	319
FOREST	67	0	0	0	0	0	0	3	1	10	15	28	10
FRANKLIN	1,062	12	6	0	6	7	15	19	45	138	246	331	237
FULTON	124	4	0	0	0	1	2	4	6	14	27	46	20
GREENE	422	8	1	2	3	2	4	9	16	50	93	132	102
HUNTINGDON	427	5	0	1	4	3	8	10	21	53	107	125	90
INDIANA	824	16	3	2	6	8	6	14	41	99	196	257	176
JEFFERSON	555	4	0	0	1	7	11	11	19	61	138	175	128

(CONTINUED)

TABLE C-27
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)											
COUNTY	TOTAL DEATHS	UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
JUNIATA	211	3	2	1	3	3	7	2	13	19	41	70	47
LACKAWANNA	2,873	30	5	2	13	16	30	63	121	345	727	938	583
LANCASTER	3,509	70	10	4	19	36	62	76	140	381	725	1,025	961
LAWRENCE	1,133	14	1	1	5	7	11	19	48	118	299	344	266
LEBANON	1,157	15	5	2	4	7	21	22	51	141	271	336	282
LEHIGH	2,724	37	6	1	15	14	62	72	120	290	670	800	637
LUZERNE	4,581	29	2	4	17	29	62	105	177	528	1,220	1,494	914
LYCOMING	1,135	21	3	1	3	9	19	28	56	127	260	331	277
MCKEAN	615	4	1	1	0	6	7	6	14	70	136	208	162
MERCER	1,308	18	0	2	6	7	17	26	57	133	326	387	329
MIFFLIN	487	6	2	0	2	2	9	17	23	59	116	143	108
MONROE	816	14	2	1	7	10	20	23	39	100	198	234	168
MONTGOMERY	6,238	77	4	5	10	34	106	150	268	717	1,349	1,905	1,613
MONTOUR	231	5	0	0	0	2	7	3	8	25	43	75	63
NORTHAMPTON	2,336	27	4	2	8	13	37	45	82	284	638	698	498
NORTHUMBERLAND	1,189	3	0	2	6	10	15	24	41	143	326	376	243
PERRY	327	3	0	2	2	3	5	12	17	48	77	101	57
PHILADELPHIA	20,707	579	42	32	114	203	629	792	1,304	2,877	4,937	5,542	3,656
PIKE	242	2	0	0	2	3	2	3	11	26	68	66	59
POTTER	199	1	0	1	1	3	4	4	4	22	51	60	48
SCHUYLKILL	2,084	20	2	4	11	14	20	41	79	237	548	687	421
SNYDER	295	7	1	1	1	2	4	11	12	34	67	92	63
SOMERSET	855	8	0	2	8	7	5	11	38	89	237	269	181
SULLIVAN	85	0	0	0	0	2	3	1	3	9	14	25	28
SUSQUEHANNA	386	4	0	0	3	8	11	7	17	42	93	114	87
TIOGA	421	7	0	1	1	5	8	4	13	42	105	127	108
UNION	318	5	2	2	0	4	8	11	10	35	72	83	86
VENANGO	683	8	0	0	3	7	16	17	22	89	151	207	163
WARREN	462	6	0	1	4	5	5	13	14	45	115	154	100
WASHINGTON	2,375	21	4	3	13	10	42	51	103	288	608	755	477
WAYNE	431	3	2	1	3	6	5	7	25	37	105	124	113
WESTMORELAND	3,799	22	3	1	16	16	45	82	172	468	1,011	1,129	834
WYOMING	253	2	2	1	1	1	6	7	8	25	57	73	70
YORK	2,871	46	5	5	20	21	52	82	115	355	668	851	651

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

TABLE C-28
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1988

		W H I T E *			A L L O T H E R		
COUNTY	TOTAL DEATHS	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	125,337	113,214	56,718	56,496	12,123	6,508	5,615
ADAMS	710	703	330	373	7	3	4
ALLEGHENY	15,742	14,005	6,909	7,096	1,737	925	812
ARMSTRONG	871	863	458	405	8	4	4
BEAVER	2,042	1,911	971	940	131	72	59
BEDFORD	482	480	266	214	2	1	1
BERKS	3,402	3,326	1,678	1,648	76	41	35
BLAIR	1,591	1,568	817	751	23	13	10
BRADFORD	578	576	278	298	2	0	2
BUCKS	3,933	3,820	1,943	1,877	113	62	51
BUTLER	1,367	1,358	678	680	9	6	3
CAMBRIA	1,865	1,834	984	850	31	16	15
CAMERON	70	70	41	29	0	0	0
CARBON	623	623	318	305	0	0	0
CENTRE	749	746	390	356	3	3	0
CHESTER	2,645	2,436	1,246	1,190	209	132	77
CLARION	397	396	199	197	1	1	0
CLEARFIELD	897	894	459	435	3	1	2
CLINTON	386	386	205	181	0	0	0
COLUMBIA	702	701	378	323	1	0	1
CRAWFORD	867	854	445	409	13	6	7
CUMBERLAND	1,643	1,616	803	813	27	12	15
DAUPHIN	2,379	2,053	1,005	1,048	326	161	165
DELAWARE	5,811	5,257	2,507	2,750	554	270	284
ELK	399	398	212	186	1	1	0
ERIE	2,597	2,500	1,269	1,231	97	52	45
FAYETTE	1,772	1,691	921	770	81	49	32
FOREST	67	67	37	30	0	0	0
FRANKLIN	1,062	1,037	503	534	25	12	13
FULTON	124	122	68	54	2	1	1
GREENE	422	417	224	193	5	2	3
HUNTINGDON	427	422	210	212	5	3	2
INDIANA	824	820	414	406	4	2	2
JEFFERSON	555	554	276	278	1	1	0

(CONTINUED)

TABLE C-28
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1988

COUNTY	TOTAL DEATHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
JUNIATA	211	211	108	103	0	0	0
LACKAWANNA	2,873	2,861	1,388	1,473	12	8	4
LANCASTER	3,509	3,444	1,658	1,786	65	42	23
LAWRENCE	1,133	1,098	551	547	35	17	18
LEBANON	1,157	1,152	569	583	5	3	2
LEHIGH	2,724	2,685	1,373	1,312	39	23	16
LUZERNE	4,581	4,564	2,233	2,331	17	10	7
LYCOMING	1,135	1,114	587	527	21	10	11
MCKEAN	615	614	288	326	1	0	1
MERCER	1,308	1,268	643	625	40	21	19
MIFFLIN	487	485	255	230	2	1	1
MONROE	816	805	427	378	11	3	8
MONTGOMERY	6,238	5,964	2,830	3,134	274	156	118
MONTOUR	231	231	93	138	0	0	0
NORTHAMPTON	2,336	2,294	1,162	1,132	42	26	16
NORTHUMBERLAND	1,189	1,189	611	578	0	0	0
PERRY	327	327	171	156	0	0	0
PHILADELPHIA	20,707	12,925	6,366	6,559	7,782	4,170	3,612
PIKE	242	240	132	108	2	1	1
POTTER	199	199	104	95	0	0	0
SCHUYLKILL	2,084	2,078	1,065	1,013	6	3	3
SNYDER	295	295	151	144	0	0	0
SOMERSET	855	853	453	400	2	0	2
SULLIVAN	85	85	44	41	0	0	0
SUSQUEHANNA	386	382	191	191	4	0	4
TIOGA	421	420	207	213	1	1	0
UNION	318	314	161	153	4	3	1
VENANGO	683	679	353	326	4	3	1
WARREN	462	460	235	225	2	1	1
WASHINGTON	2,375	2,279	1,200	1,079	96	61	35
WAYNE	431	427	225	202	4	2	2
WESTMORELAND	3,799	3,743	1,907	1,836	56	41	15
WYOMING	253	253	125	128	0	0	0
YORK	2,871	2,772	1,410	1,362	99	50	49

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

TABLE C-29
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	125,337	1044.3	47,810	398.3	468	3.9	1,055	8.8	14,104	117.5
ADAMS	710	955.6	278	374.2	1	1.3	9	12.1	57	76.7
ALLEGHENY	15,742	1162.4	6,146	453.8	71	5.2	137	10.1	2,115	156.2
ARMSTRONG	871	1118.1	389	499.4	5	6.4	4	5.1	194	249.0
BEAVER	2,042	1075.9	792	417.3	4	2.1	19	10.0	236	124.3
BEDFORD	482	1004.1	190	395.8	1	2.1	8	16.7	54	112.5
BERKS	3,402	1033.7	1,242	377.4	14	4.3	21	6.4	384	116.7
BLAIR	1,591	1200.8	663	500.4	11	8.3	13	9.8	223	168.3
BRADFORD	578	896.1	196	303.9	2	3.1	5	7.8	61	94.6
BUCKS	3,933	723.5	1,315	241.9	14	2.6	32	5.9	365	67.1
BUTLER	1,367	891.1	536	349.4	5	3.3	8	5.2	231	150.6
CAMBRIA	1,865	1096.4	772	453.8	15	8.8	23	13.5	249	146.4
CAMERON	70	1093.9	23	359.4	2	31.3	0	-	3	46.9
CARBON	623	1110.4	261	465.2	3	5.3	7	12.5	78	139.0
CENTRE	749	647.4	316	273.1	5	4.3	2	1.7	58	50.1
CHESTER	2,645	721.7	962	262.5	12	3.3	29	7.9	317	86.5
CLARION	397	949.8	162	387.6	2	4.8	3	7.2	56	134.0
CLEARFIELD	897	1098.0	396	484.7	5	6.1	4	4.9	128	156.7
CLINTON	386	1015.7	151	397.3	1	2.6	0	-	50	131.6
COLUMBIA	702	1150.8	270	442.6	0	-	4	6.6	73	119.7
CRAWFORD	867	1008.2	365	424.4	2	2.3	10	11.6	132	153.5
CUMBERLAND	1,643	841.3	617	315.9	9	4.6	9	4.6	213	109.1
DAUPHIN	2,379	987.9	908	377.1	14	5.8	19	7.9	233	96.8
DELAWARE	5,811	1043.5	2,113	379.4	16	2.9	73	13.1	491	88.2
ELK	399	1087.3	144	392.4	1	2.7	5	13.6	34	92.6
ERIE	2,597	937.5	962	347.3	9	3.2	17	6.1	284	102.5
FAYETTE	1,772	1164.3	696	457.3	4	2.6	9	5.9	299	196.5
FOREST	67	1426.7	26	553.7	0	-	0	-	7	149.1
FRANKLIN	1,062	882.8	379	315.0	2	1.7	5	4.2	98	81.5
FULTON	124	861.1	37	256.9	1	6.9	2	13.9	8	55.6
GREENE	422	1063.0	183	461.0	0	-	1	2.5	55	138.5
HUNTINGDON	427	990.7	187	433.9	1	2.3	0	-	78	181.0
INDIANA	824	895.6	306	332.6	6	6.5	5	5.4	87	94.6
JEFFERSON	555	1163.5	237	496.8	5	10.5	3	6.3	69	144.6

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* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	211	1039.3	78	384.2	1	4.9	2	9.9	20	98.5
LACKAWANNA	2,873	1292.4	1,233	554.6	13	5.8	33	14.8	361	162.4
LANCASTER	3,509	847.4	1,345	324.8	12	2.9	39	9.4	393	94.9
LAWRENCE	1,133	1122.9	489	484.6	5	5.0	10	9.9	224	222.0
LEBANON	1,157	1012.2	482	421.7	5	4.4	13	11.4	158	138.2
LEHIGH	2,724	943.5	1,059	366.8	10	3.5	18	6.2	297	102.9
LUZERNE	4,581	1381.9	1,931	582.5	20	6.0	29	8.7	477	143.9
LYCOMING	1,135	959.4	415	350.8	1	0.8	9	7.6	93	78.6
MCKEAN	615	1331.4	309	668.9	2	4.3	6	13.0	79	171.0
MERCER	1,308	1068.6	528	431.4	5	4.1	10	8.2	161	131.5
MIFFLIN	487	1042.8	189	404.7	3	6.4	2	4.3	58	124.2
MONROE	816	872.7	349	373.2	2	2.1	3	3.2	68	72.7
MONTGOMERY	6,238	907.3	2,270	330.2	21	3.1	54	7.9	641	93.2
MONTOUR	231	1399.7	86	521.1	1	6.1	0	-	22	133.3
NORTHAMPTON	2,336	959.0	997	409.3	8	3.3	18	7.4	296	121.5
NORTHUMBERLAND	1,189	1208.3	479	486.8	1	1.0	13	13.2	112	113.8
PERRY	327	801.5	116	284.3	2	4.9	2	4.9	24	58.8
PHILADELPHIA	20,707	1257.3	6,702	406.9	49	3.0	183	11.1	1,527	92.7
PIKE	242	902.9	106	395.5	0	-	5	18.7	28	104.5
POTTER	199	1105.4	81	449.9	0	-	4	22.2	13	72.2
SCHUYLKILL	2,084	1352.4	803	521.1	10	6.5	13	8.4	276	179.1
SNYDER	295	810.4	118	324.2	0	-	4	11.0	21	57.7
SOMERSET	855	1062.1	386	479.5	5	6.2	22	27.3	144	178.9
SULLIVAN	85	1327.3	35	546.5	0	-	3	46.8	3	46.8
SUSQUEHANNA	386	943.8	176	430.3	2	4.9	8	19.6	67	163.8
TIOGA	421	1044.7	184	456.6	0	-	2	5.0	49	121.6
UNION	318	911.1	124	355.3	0	-	2	5.7	29	83.1
VENANGO	683	1119.8	293	480.4	2	3.3	8	13.1	82	134.4
WARREN	462	1013.2	172	377.2	1	2.2	3	6.6	56	122.8
WASHINGTON	2,375	1135.8	996	476.3	11	5.3	11	5.3	348	166.4
WAYNE	431	1064.3	178	439.6	2	4.9	4	9.9	54	133.3
WESTMORELAND	3,799	1003.2	1,671	441.2	19	5.0	18	4.8	635	167.7
WYOMING	253	890.8	100	352.1	0	-	1	3.5	23	81.0
YORK	2,871	854.2	1,110	330.3	12	3.6	17	5.1	245	72.9

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	15,082	125.7	17,101	142.5	28,316	235.9	393	3.3	7,078	59.0	7,632	63.6
ADAMS	85	114.4	126	169.6	151	203.2	7	9.4	28	37.7	33	44.4
ALLEGHENY	1,815	134.0	2,008	148.3	3,734	275.7	51	3.8	893	65.9	1,121	82.8
ARMSTRONG	96	123.2	90	115.5	177	227.2	0	-	48	61.6	46	59.1
BEAVER	271	142.8	262	138.0	457	240.8	6	3.2	113	59.5	128	67.4
BEDFORD	74	154.2	53	110.4	120	250.0	0	-	33	68.7	31	64.6
BERKS	362	110.0	461	140.1	767	233.1	6	1.8	202	61.4	173	52.6
BLAIR	252	190.2	164	123.8	334	252.1	0	-	99	74.7	90	67.9
BRADFORD	65	100.8	63	97.7	108	167.4	0	-	28	43.4	27	41.9
BUCKS	404	74.3	500	92.0	950	174.8	17	3.1	223	41.0	258	47.5
BUTLER	147	95.8	145	94.5	306	199.5	2	1.3	76	49.5	82	53.5
CAMBRIA	289	169.9	196	115.2	394	231.6	6	3.5	109	64.1	98	57.6
CAMERON	7	109.4	11	171.9	10	156.3	0	-	5	78.1	3	46.9
CARBON	88	156.8	85	151.5	139	247.7	1	1.8	33	58.8	41	73.1
CENTRE	124	107.2	127	109.8	165	142.6	4	3.5	42	36.3	37	32.0
CHESTER	260	70.9	344	93.9	638	174.1	6	1.6	147	40.1	172	46.9
CLARION	44	105.3	57	136.4	85	203.3	1	2.4	17	40.7	13	31.1
CLEARFIELD	134	164.0	125	153.0	192	235.0	2	2.4	52	63.7	46	56.3
CLINTON	53	139.5	47	123.7	81	213.1	0	-	21	55.3	18	47.4
COLUMBIA	88	144.3	105	172.1	160	262.3	2	3.3	36	59.0	50	82.0
CRAWFORD	150	174.4	71	82.6	146	169.8	4	4.7	38	44.2	36	41.9
CUMBERLAND	217	111.1	169	86.5	395	202.3	5	2.6	114	58.4	97	49.7
DAUPHIN	215	89.3	427	177.3	534	221.8	5	2.1	107	44.4	131	54.4
DELAWARE	671	120.5	862	154.8	1,402	251.7	19	3.4	338	60.7	408	73.3
ELK	52	141.7	52	141.7	95	258.9	1	2.7	26	70.8	25	68.1
ERIE	408	147.3	244	88.1	581	209.7	7	2.5	148	53.4	149	53.8
FAYETTE	198	130.1	186	122.2	407	267.4	5	3.3	108	71.0	102	67.0
FOREST	15	319.4	4	85.2	12	255.5	0	-	3	63.9	3	63.9
FRANKLIN	130	108.1	144	119.7	222	184.5	3	2.5	53	44.1	48	39.9
FULTON	16	111.1	10	69.4	31	215.3	0	-	6	41.7	8	55.6
GREENE	77	194.0	50	126.0	78	196.5	0	-	14	35.3	25	63.0
HUNTINGDON	59	136.9	49	113.7	103	239.0	2	4.6	28	65.0	20	46.4
INDIANA	109	118.5	99	107.6	181	196.7	2	2.2	39	42.4	49	53.3
JEFFERSON	96	201.2	64	134.2	132	276.7	1	2.1	24	50.3	37	77.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	21	103.4	34	167.5	33	162.5	0	-	6	29.6	6	29.6
LACKAWANNA	327	147.1	499	224.5	665	299.1	10	4.5	176	79.2	157	70.6
LANCASTER	348	84.0	553	133.5	792	191.3	5	1.2	183	44.2	199	48.1
LAWRENCE	153	151.6	97	96.1	236	233.9	5	5.0	57	56.5	64	63.4
LEBANON	117	102.4	189	165.4	267	233.6	3	2.6	67	58.6	69	60.4
LEHIGH	326	112.9	408	141.3	639	221.3	8	2.8	140	48.5	153	53.0
LUZERNE	543	163.8	862	260.0	973	293.5	13	3.9	295	89.0	218	65.8
LYCOMING	136	115.0	176	148.8	274	231.6	4	3.4	61	51.6	79	66.8
MCKEAN	71	153.7	151	326.9	111	240.3	1	2.2	30	64.9	33	71.4
MERCER	225	183.8	127	103.8	267	218.1	4	3.3	62	50.7	65	53.1
MIFFLIN	69	147.7	57	122.0	103	220.5	2	4.3	22	47.1	28	60.0
MONROE	75	80.2	201	215.0	174	186.1	6	6.4	49	52.4	39	41.7
MONTGOMERY	761	110.7	793	115.3	1,554	226.0	20	2.9	414	60.2	403	58.6
MONTOUR	30	181.8	33	200.0	40	242.4	2	12.1	13	78.8	6	36.4
NORTHAMPTON	244	100.2	431	176.9	549	225.4	11	4.5	135	55.4	142	58.3
NORTHUMBERLAND	200	203.3	153	155.5	276	280.5	3	3.0	71	72.2	72	73.2
PERRY	52	127.5	36	88.2	73	178.9	1	2.5	15	36.8	26	63.7
PHILADELPHIA	1,978	120.1	2,965	180.0	4,604	279.5	88	5.3	1,151	69.9	1,361	82.6
PIKE	29	108.2	44	164.2	55	205.2	0	-	19	70.9	12	44.8
POTTER	31	172.2	33	183.3	48	266.6	0	-	9	50.0	15	83.3
SCHUYLKILL	310	201.2	194	125.9	447	290.1	10	6.5	138	89.6	113	73.3
SNYDER	54	148.4	39	107.1	63	173.1	2	5.5	18	49.5	7	19.2
SOMERSET	133	165.2	82	101.9	169	209.9	2	2.5	39	48.4	53	65.8
SULLIVAN	12	187.4	17	265.5	15	234.2	0	-	5	78.1	5	78.1
SUSQUEHANNA	58	141.8	41	100.2	87	212.7	0	-	22	53.8	16	39.1
TIOGA	67	166.3	66	163.8	72	178.7	1	2.5	20	49.6	15	37.2
UNION	64	183.4	29	83.1	59	169.0	0	-	9	25.8	14	40.1
VENANGO	114	186.9	87	142.6	129	211.5	1	1.6	25	41.0	37	60.7
WARREN	72	157.9	40	87.7	93	204.0	2	4.4	21	46.1	30	65.8
WASHINGTON	382	182.7	244	116.7	492	235.3	3	1.4	119	56.9	138	66.0
WAYNE	54	133.3	64	158.0	85	209.9	1	2.5	23	56.8	19	46.9
WESTMORELAND	493	130.2	506	133.6	846	223.4	14	3.7	243	64.2	226	59.7
WYOMING	37	130.3	39	137.3	54	190.1	0	-	13	45.8	15	52.8
YORK	425	126.5	411	122.3	685	203.8	6	1.8	157	46.7	192	57.1

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* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	3,199	26.7	4,150	34.6	3,197	26.6	1,020	8.5	1,647	13.7
ADAMS	20	26.9	29	39.0	23	31.0	4	5.4	7	9.4
ALLEGHENY	393	29.0	537	39.7	419	30.9	125	9.2	195	14.4
ARMSTRONG	15	19.3	29	37.2	25	32.1	5	6.4	9	11.6
BEAVER	47	24.8	73	38.5	56	29.5	18	9.5	16	8.4
BEDFORD	17	35.4	20	41.7	10	20.8	3	6.2	6	12.5
BERKS	91	27.7	120	36.5	109	33.1	23	7.0	43	13.1
BLAIR	28	21.1	50	37.7	32	24.2	11	8.3	24	18.1
BRADFORD	14	21.7	20	31.0	12	18.6	4	6.2	3	4.7
BUCKS	116	21.3	126	23.2	115	21.2	34	6.3	61	11.2
BUTLER	40	26.1	47	30.6	36	23.5	8	5.2	15	9.8
CAMBRIA	44	25.9	66	38.8	47	27.6	7	4.1	17	10.0
CAMERON	0	-	1	15.6	0	-	0	-	1	15.6
CARBON	20	35.6	8	14.3	21	37.4	5	8.9	10	17.8
CENTRE	17	14.7	31	26.8	17	14.7	7	6.1	10	8.6
CHESTER	71	19.4	116	31.7	61	16.6	21	5.7	44	12.0
CLARION	8	19.1	18	43.1	13	31.1	6	14.4	9	21.5
CLEARFIELD	30	36.7	34	41.6	18	22.0	5	6.1	5	6.1
CLINTON	8	21.0	10	26.3	12	31.6	3	7.9	9	23.7
COLUMBIA	20	32.8	24	39.3	15	24.6	4	6.6	9	14.8
CRAWFORD	20	23.3	20	23.3	12	14.0	7	8.1	9	10.5
CUMBERLAND	46	23.6	63	32.3	34	17.4	17	8.7	19	9.7
DAUPHIN	69	28.7	90	37.4	70	29.1	20	8.3	42	17.4
DELAWARE	179	32.1	197	35.4	137	24.6	57	10.2	67	12.0
ELK	14	38.1	14	38.1	8	21.8	1	2.7	6	16.3
ERIE	67	24.2	79	28.5	53	19.1	29	10.5	49	17.7
FAYETTE	46	30.2	59	38.8	44	28.9	11	7.2	32	21.0
FOREST	1	21.3	4	85.2	1	21.3	0	-	0	-
FRANKLIN	27	22.4	37	30.8	21	17.5	14	11.6	19	15.8
FULTON	6	41.7	6	41.7	4	27.8	0	-	1	6.9
GREENE	10	25.2	10	25.2	10	25.2	5	12.6	4	10.1
HUNTINGDON	12	27.8	22	51.0	4	9.3	8	18.6	7	16.2
INDIANA	19	20.7	28	30.4	14	15.2	10	10.9	20	21.7
JEFFERSON	14	29.3	21	44.0	15	31.4	9	18.9	11	23.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	3	14.8	9	44.3	4	19.7	0	-	5	24.6
LACKAWANNA	65	29.2	111	49.9	88	39.6	25	11.2	33	14.8
LANCASTER	89	21.5	117	28.3	104	25.1	29	7.0	66	15.9
LAWRENCE	27	26.8	35	34.7	25	24.8	8	7.9	15	14.9
LEBANON	33	28.9	39	34.1	31	27.1	14	12.2	11	9.6
LEHIGH	89	30.8	92	31.9	93	32.2	29	10.0	35	12.1
LUZERNE	101	30.5	149	44.9	106	32.0	33	10.0	58	17.5
LYCOMING	36	30.4	37	31.3	36	30.4	14	11.8	7	5.9
MCKEAN	12	26.0	12	26.0	12	26.0	4	8.7	7	15.2
MERCER	34	27.8	40	32.7	30	24.5	14	11.4	18	14.7
MIFFLIN	10	21.4	20	42.8	10	21.4	5	10.7	6	12.8
MONROE	15	16.0	24	25.7	25	26.7	5	5.3	11	11.8
MONTGOMERY	204	29.7	205	29.8	152	22.1	62	9.0	94	13.7
MONTOUR	3	18.2	9	54.5	4	24.2	2	12.1	1	6.1
NORTHAMPTON	69	28.3	80	32.8	59	24.2	25	10.3	28	11.5
NORTHUMBERLAND	32	32.5	38	38.6	32	32.5	9	9.1	19	19.3
PERRY	7	17.2	12	29.4	3	7.4	2	4.9	7	17.2
PHILADELPHIA	498	30.2	614	37.3	519	31.5	130	7.9	243	14.8
PIKE	3	11.2	9	33.6	8	29.8	1	3.7	3	11.2
POTTER	2	11.1	8	44.4	10	55.5	2	11.1	2	11.1
SCHUYLKILL	44	28.6	57	37.0	51	33.1	16	10.4	18	11.7
SNYDER	4	11.0	11	30.2	11	30.2	3	8.2	7	19.2
SOMERSET	13	16.1	24	29.8	16	19.9	8	9.9	14	17.4
SULLIVAN	2	31.2	0	-	2	31.2	1	15.6	0	-
SUSQUEHANNA	11	26.9	17	41.6	14	34.2	3	7.3	4	9.8
TIOGA	7	17.4	15	37.2	5	12.4	3	7.4	6	14.9
UNION	11	31.5	8	22.9	9	25.8	4	11.5	4	11.5
VENANGO	20	32.8	20	32.8	11	18.0	7	11.5	8	13.1
WARREN	8	17.5	16	35.1	10	21.9	3	6.6	3	6.6
WASHINGTON	54	25.8	68	32.5	58	27.7	23	11.0	29	13.9
WAYNE	8	19.8	15	37.0	7	17.3	6	14.8	6	14.8
WESTMORELAND	86	22.7	120	31.7	75	19.8	29	7.7	53	14.0
WYOMING	8	28.2	8	28.2	6	21.1	1	3.5	3	10.6
YORK	62	18.4	102	30.3	103	30.6	19	5.7	44	13.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			UNINTENTIONAL INJURIES									
	CEREBROVASCU-LAR DISEASE		OTHER		MOTOR VEHICLE		CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	8,036	67.0	2,479	20.7	1,958	16.3	4,303	35.9	3,990	33.2	2,614	21.8
ADAMS	41	55.2	12	16.2	19	25.6	26	35.0	21	28.3	28	37.7
ALLEGHENY	988	73.0	260	19.2	126	9.3	564	41.6	486	35.9	305	22.5
ARMSTRONG	44	56.5	12	15.4	15	19.3	35	44.9	27	34.7	15	19.3
BEAVER	125	65.9	44	23.2	25	13.2	65	34.2	89	46.9	67	35.3
BEDFORD	31	64.6	10	20.8	20	41.7	9	18.7	18	37.5	14	29.2
BERKS	222	67.5	64	19.4	50	15.2	142	43.1	149	45.3	65	19.8
BLAIR	106	80.0	31	23.4	31	23.4	58	43.8	44	33.2	42	31.7
BRADFORD	41	63.6	15	23.3	20	31.0	16	24.8	24	37.2	18	27.9
BUCKS	265	48.7	57	10.5	96	17.7	143	26.3	101	18.6	59	10.9
BUTLER	78	50.8	22	14.3	45	29.3	41	26.7	78	50.8	31	20.2
CAMBRIA	113	66.4	30	17.6	38	22.3	66	38.8	47	27.6	48	28.2
CAMERON	5	78.1	0	-	5	78.1	3	46.9	3	46.9	2	31.3
CARBON	32	57.0	12	21.4	8	14.3	17	30.3	20	35.6	22	39.2
CENTRE	46	39.8	13	11.2	19	16.4	38	32.8	25	21.6	14	12.1
CHESTER	182	49.7	46	12.6	62	16.9	105	28.6	85	23.2	34	9.3
CLARION	30	71.8	5	12.0	7	16.7	13	31.1	12	28.7	8	19.1
CLEARFIELD	46	56.3	13	15.9	18	22.0	44	53.9	41	50.2	15	18.4
CLINTON	20	52.6	7	18.4	14	36.8	17	44.7	19	50.0	8	21.0
COLUMBIA	56	91.8	6	9.8	19	31.1	25	41.0	30	49.2	10	16.4
CRAWFORD	67	77.9	13	15.1	13	15.1	42	48.8	40	46.5	15	17.4
CUMBERLAND	137	70.1	19	9.7	26	13.3	64	32.8	56	28.7	37	18.9
DAUPHIN	165	68.5	51	21.2	41	17.0	80	33.2	65	27.0	59	24.5
DELAWARE	419	75.2	96	17.2	55	9.9	203	36.5	187	33.6	103	18.5
ELK	36	98.1	11	30.0	6	16.3	11	30.0	20	54.5	9	24.5
ERIE	224	80.9	62	22.4	48	17.3	86	31.0	98	35.4	50	18.1
FAYETTE	122	80.2	36	23.7	39	25.6	40	26.3	47	30.9	38	25.0
FOREST	7	149.1	1	21.3	6	127.8	1	21.3	4	85.2	1	21.3
FRANKLIN	68	56.5	21	17.5	34	28.3	38	31.6	41	34.1	39	32.4
FULTON	6	41.7	3	20.8	2	13.9	6	41.7	3	20.8	2	13.9
GREENE	29	73.1	9	22.7	10	25.2	11	27.7	14	35.3	3	7.6
HUNTINGDON	22	51.0	13	30.2	11	25.5	16	37.1	10	23.2	6	13.9
INDIANA	48	52.2	19	20.7	22	23.9	34	37.0	29	31.5	18	19.6
JEFFERSON	32	67.1	9	18.9	12	25.2	18	37.7	16	33.5	10	21.0

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1988

			UNINTENTIONAL INJURIES									
	CEREBROVASCULAR DISEASE		OTHER		MOTOR VEHICLE		CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	12	59.1	9	44.3	7	34.5	12	59.1	6	29.6	3	14.8
LACKAWANNA	162	72.9	40	18.0	37	16.6	105	47.2	61	27.4	53	23.8
LANCASTER	233	56.3	60	14.5	70	16.9	129	31.2	143	34.5	100	24.1
LAWRENCE	91	90.2	19	18.8	15	14.9	33	32.7	35	34.7	27	26.8
LEBANON	75	65.6	18	15.7	30	26.2	51	44.6	37	32.4	30	26.2
LEHIGH	153	53.0	48	16.6	43	14.9	92	31.9	76	26.3	63	21.8
LUZERNE	241	72.7	67	20.2	58	17.5	132	39.8	119	35.9	113	34.1
LYCOMING	70	59.2	23	19.4	23	19.4	70	59.2	32	27.0	41	34.7
MCKEAN	26	56.3	7	15.2	9	19.5	28	60.6	24	52.0	8	17.3
MERCER	73	59.6	25	20.4	28	22.9	60	49.0	59	48.2	25	20.4
MIFFLIN	36	77.1	9	19.3	11	23.6	24	51.4	13	27.8	9	19.3
MONROE	39	41.7	19	20.3	22	23.5	27	28.9	18	19.3	15	16.0
MONTGOMERY	443	64.4	125	18.2	80	11.6	226	32.9	213	31.0	99	14.4
MONTOUR	17	103.0	5	30.3	5	30.3	11	66.7	10	60.6	5	30.3
NORTHAMPTON	122	50.1	31	12.7	37	15.2	85	34.9	70	28.7	47	19.3
NORTHUMBERLAND	80	81.3	16	16.3	27	27.4	29	29.5	43	43.7	38	38.6
PERRY	27	66.2	6	14.7	17	41.7	17	41.7	10	24.5	7	17.2
PHILADELPHIA	1,198	72.7	612	37.2	163	9.9	563	34.2	596	36.2	371	22.5
PIKE	9	33.6	4	14.9	6	22.4	12	44.8	3	11.2	6	22.4
POTTER	14	77.8	6	33.3	4	22.2	13	72.2	7	38.9	4	22.2
SCHUYLKILL	163	105.8	40	26.0	30	19.5	68	44.1	57	37.0	45	29.2
SNYDER	32	87.9	4	11.0	8	22.0	7	19.2	11	30.2	9	24.7
SOMERSET	54	67.1	15	18.6	20	24.8	35	43.5	20	24.8	20	24.8
SULLIVAN	7	109.3	2	31.2	1	15.6	3	46.8	3	46.8	5	78.1
SUSQUEHANNA	16	39.1	4	9.8	14	34.2	12	29.3	11	26.9	6	14.7
TIOGA	33	81.9	8	19.9	13	32.3	21	52.1	10	24.8	13	32.3
UNION	30	86.0	8	22.9	10	28.7	8	22.9	6	17.2	14	40.1
VENANGO	46	75.4	14	23.0	17	27.9	28	45.9	32	52.5	11	18.0
WARREN	37	81.1	9	19.7	6	13.2	13	28.5	21	46.1	19	41.7
WASHINGTON	150	71.7	59	28.2	39	18.7	94	45.0	91	43.5	42	20.1
WAYNE	25	61.7	9	22.2	17	42.0	10	24.7	15	37.0	9	22.2
WESTMORELAND	248	65.5	67	17.7	48	12.7	108	28.5	104	27.5	102	26.9
WYOMING	14	49.3	3	10.6	10	35.2	6	21.1	9	31.7	7	24.6
YORK	207	61.6	66	19.6	71	21.1	94	28.0	76	22.6	53	15.8

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* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	1,894	15.8	1,605	13.4	1,479	12.3	1,226	10.2	1,038	8.6	942	7.8
ADAMS	6	8.1	3	4.0	6	8.1	3	4.0	25	33.6	5	6.7
ALLEGHENY	227	16.8	234	17.3	172	12.7	195	14.4	107	7.9	131	9.7
ARMSTRONG	9	11.6	6	7.7	14	18.0	7	9.0	13	16.7	7	9.0
BEAVER	27	14.2	33	17.4	25	13.2	14	7.4	9	4.7	16	8.4
BEDFORD	3	6.2	6	12.5	4	8.3	6	12.5	4	8.3	3	6.2
BERKS	38	11.5	32	9.7	49	14.9	20	6.1	43	13.1	29	8.8
BLAIR	16	12.1	23	17.4	17	12.8	12	9.1	9	6.8	10	7.5
BRADFORD	7	10.9	6	9.3	11	17.1	5	7.8	18	27.9	4	6.2
BUCKS	75	13.8	46	8.5	60	11.0	37	6.8	42	7.7	34	6.3
BUTLER	15	9.8	23	15.0	21	13.7	8	5.2	22	14.3	7	4.6
CAMBRIA	19	11.2	25	14.7	27	15.9	19	11.2	19	11.2	12	7.1
CAMERON	0	-	1	15.6	1	15.6	4	62.5	1	15.6	3	46.9
CARBON	2	3.6	8	14.3	3	5.3	6	10.7	6	10.7	3	5.3
CENTRE	8	6.9	7	6.1	6	5.2	4	3.5	2	1.7	9	7.8
CHESTER	32	8.7	25	6.8	44	12.0	25	6.8	17	4.6	31	8.5
CLARION	4	9.6	9	21.5	6	14.4	1	2.4	3	7.2	0	-
CLEARFIELD	7	8.6	11	13.5	5	6.1	6	7.3	6	7.3	5	6.1
CLINTON	6	15.8	6	15.8	3	7.9	1	2.6	1	2.6	1	2.6
COLUMBIA	4	6.6	12	19.7	2	3.3	3	4.9	8	13.1	8	13.1
CRAWFORD	5	5.8	9	10.5	16	18.6	12	14.0	17	19.8	5	5.8
CUMBERLAND	19	9.7	22	11.3	16	8.2	12	6.1	14	7.2	18	9.2
DAUPHIN	45	18.7	22	9.1	28	11.6	22	9.1	34	14.1	23	9.6
DELAWARE	82	14.7	68	12.2	62	11.1	83	14.9	40	7.2	43	7.7
ELK	2	5.4	6	16.3	4	10.9	3	8.2	1	2.7	5	13.6
ERIE	23	8.3	26	9.4	29	10.5	27	9.7	23	8.3	27	9.7
FAYETTE	18	11.8	32	21.0	22	14.5	16	10.5	12	7.9	14	9.2
FOREST	0	-	1	21.3	1	21.3	2	42.6	0	-	1	21.3
FRANKLIN	12	10.0	17	14.1	12	10.0	15	12.5	13	10.8	14	11.6
FULTON	3	20.8	0	-	1	6.9	1	6.9	9	62.5	2	13.9
GREENE	2	5.0	7	17.6	5	12.6	3	7.6	1	2.5	6	15.1
HUNTINGDON	2	4.6	5	11.6	6	13.9	1	2.3	4	9.3	2	4.6
INDIANA	9	9.8	10	10.9	12	13.0	7	7.6	29	31.5	10	10.9
JEFFERSON	7	14.7	5	10.5	7	14.7	6	12.6	2	4.2	3	6.3

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	3	14.8	5	24.6	6	29.6	3	14.8	2	9.9	2	9.9
LACKAWANNA	37	16.6	34	15.3	26	11.7	39	17.5	20	9.0	14	6.3
LANCASTER	43	10.4	51	12.3	45	10.9	15	3.6	35	8.5	30	7.2
LAWRENCE	13	12.9	19	18.8	11	10.9	11	10.9	6	5.9	4	4.0
LEBANON	8	7.0	11	9.6	14	12.2	6	5.2	7	6.1	9	7.9
LEHIGH	42	14.5	33	11.4	50	17.3	28	9.7	29	10.0	27	9.4
LUZERNE	45	13.6	49	14.8	53	16.0	52	15.7	45	13.6	28	8.4
LYCOMING	6	5.1	20	16.9	13	11.0	7	5.9	7	5.9	7	5.9
MCKEAN	6	13.0	9	19.5	7	15.2	5	10.8	7	15.2	5	10.8
MERCER	12	9.8	14	11.4	14	11.4	14	11.4	14	11.4	9	7.4
MIFFLIN	11	23.6	3	6.4	7	15.0	3	6.4	4	8.6	3	6.4
MONROE	7	7.5	10	10.7	19	20.3	5	5.3	8	8.6	6	6.4
MONTGOMERY	91	13.2	48	7.0	74	10.8	65	9.5	51	7.4	48	7.0
MONTOUR	6	36.4	2	12.1	4	24.2	0	-	3	18.2	2	12.1
NORTHAMPTON	30	12.3	38	15.6	23	9.4	20	8.2	14	5.7	17	7.0
NORTHUMBERLAND	20	20.3	15	15.2	10	10.2	7	7.1	11	11.2	12	12.2
PERRY	4	9.8	3	7.4	6	14.7	3	7.4	2	4.9	4	9.8
PHILADELPHIA	646	39.2	301	18.3	208	12.6	248	15.1	96	5.8	94	5.7
PIKE	1	3.7	3	11.2	1	3.7	1	3.7	3	11.2	2	7.5
POTTER	0	-	1	5.6	2	11.1	1	5.6	1	5.6	0	-
SCHUYLKILL	16	10.4	27	17.5	31	20.1	17	11.0	2	1.3	27	17.5
SNYDER	1	2.7	2	5.5	2	5.5	1	2.7	3	8.2	0	-
SOMERSET	7	8.7	13	16.1	7	8.7	8	9.9	7	8.7	5	6.2
SULLIVAN	0	-	3	46.8	2	31.2	0	-	1	15.6	1	15.6
SUSQUEHANNA	6	14.7	1	2.4	6	14.7	4	9.8	4	9.8	4	9.8
TIOGA	5	12.4	3	7.4	5	12.4	6	14.9	4	9.9	3	7.4
UNION	3	8.6	2	5.7	4	11.5	3	8.6	4	11.5	4	11.5
VENANGO	6	9.8	12	19.7	8	13.1	1	1.6	3	4.9	4	6.6
WARREN	3	6.6	2	4.4	8	17.5	8	17.5	2	4.4	4	8.8
WASHINGTON	22	10.5	49	23.4	32	15.3	16	7.7	15	7.2	20	9.6
WAYNE	3	7.4	4	9.9	5	12.3	1	2.5	4	9.9	5	12.3
WESTMORELAND	36	9.5	40	10.6	43	11.4	27	7.1	28	7.4	24	6.3
WYOMING	5	17.6	2	7.0	0	-	0	-	16	56.3	3	10.6
YORK	16	4.8	30	8.9	36	10.7	15	4.5	26	7.7	24	7.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	841	7.0	666	5.5	558	4.6	471	3.9	466	3.9	445	3.7
ADAMS	5	6.7	2	2.7	3	4.0	1	1.3	1	1.3	1	1.3
ALLEGHENY	100	7.4	46	3.4	51	3.8	6	0.4	57	4.2	45	3.3
ARMSTRONG	8	10.3	3	3.9	2	2.6	2	2.6	1	1.3	3	3.9
BEAVER	13	6.8	1	0.5	4	2.1	2	1.1	3	1.6	12	6.3
BEDFORD	6	12.5	1	2.1	3	6.2	0	-	0	-	0	-
BERKS	19	5.8	13	4.0	19	5.8	4	1.2	12	3.6	8	2.4
BLAIR	7	5.3	4	3.0	2	1.5	2	1.5	2	1.5	6	4.5
BRADFORD	1	1.6	0	-	3	4.7	0	-	2	3.1	0	-
BUCKS	30	5.5	14	2.6	26	4.8	1	0.2	17	3.1	8	1.5
BUTLER	8	5.2	6	3.9	6	3.9	0	-	1	0.7	6	3.9
CAMBRIA	9	5.3	3	1.8	14	8.2	24	14.1	2	1.2	6	3.5
CAMERON	0	-	0	-	0	-	0	-	0	-	1	15.6
CARBON	1	1.8	0	-	4	7.1	11	19.6	3	5.3	3	5.3
CENTRE	4	3.5	1	0.9	4	3.5	0	-	0	-	4	3.5
CHESTER	14	3.8	6	1.6	13	3.5	1	0.3	7	1.9	10	2.7
CLARION	0	-	0	-	2	4.8	0	-	1	2.4	0	-
CLEARFIELD	1	1.2	4	4.9	4	4.9	2	2.4	0	-	3	3.7
CLINTON	0	-	3	7.9	1	2.6	1	2.6	0	-	2	5.3
COLUMBIA	4	6.6	3	4.9	3	4.9	5	8.2	0	-	3	4.9
CRAWFORD	8	9.3	1	1.2	3	3.5	0	-	0	-	0	-
CUMBERLAND	4	2.0	5	2.6	11	5.6	0	-	5	2.6	0	-
DAUPHIN	19	7.9	12	5.0	10	4.2	1	0.4	7	2.9	13	5.4
DELAWARE	53	9.5	21	3.8	16	2.9	7	1.3	21	3.8	17	3.1
ELK	2	5.4	2	5.4	3	8.2	0	-	0	-	0	-
ERIE	20	7.2	7	2.5	16	5.8	0	-	4	1.4	12	4.3
FAYETTE	12	7.9	5	3.3	8	5.3	19	12.5	5	3.3	10	6.6
FOREST	0	-	0	-	0	-	0	-	0	-	0	-
FRANKLIN	2	1.7	0	-	5	4.2	0	-	0	-	9	7.5
FULTON	2	13.9	0	-	1	6.9	0	-	0	-	2	13.9
GREENE	6	15.1	0	-	1	2.5	3	7.6	1	2.5	1	2.5
HUNTINGDON	2	4.6	1	2.3	2	4.6	0	-	0	-	1	2.3
INDIANA	8	8.7	1	1.1	4	4.3	6	6.5	0	-	1	1.1
JEFFERSON	2	4.2	2	4.2	1	2.1	1	2.1	1	2.1	1	2.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	0	-	1	4.9	2	9.9	0	-	1	4.9	0	-
LACKAWANNA	8	3.6	5	2.2	13	5.8	31	13.9	5	2.2	14	6.3
LANCASTER	23	5.6	7	1.7	22	5.3	3	0.7	12	2.9	16	3.9
LAWRENCE	6	5.9	5	5.0	7	6.9	0	-	1	1.0	2	2.0
LEBANON	7	6.1	2	1.7	2	1.7	0	-	1	0.9	2	1.7
LEHIGH	19	6.6	16	5.5	9	3.1	1	0.3	13	4.5	17	5.9
LUZERNE	15	4.5	7	2.1	17	5.1	194	58.5	8	2.4	25	7.5
LYCOMING	12	10.1	2	1.7	5	4.2	0	-	2	1.7	5	4.2
MCKEAN	1	2.2	0	-	2	4.3	0	-	0	-	1	2.2
MERCER	5	4.1	5	4.1	3	2.5	0	-	0	-	0	-
MIFFLIN	5	10.7	0	-	3	6.4	0	-	0	-	2	4.3
MONROE	8	8.6	3	3.2	0	-	2	2.1	6	6.4	2	2.1
MONTGOMERY	39	5.7	18	2.6	30	4.4	5	0.7	14	2.0	20	2.9
MONTOUR	2	12.1	0	-	0	-	1	6.1	1	6.1	1	6.1
NORTHAMPTON	11	4.5	1	0.4	14	5.7	0	-	4	1.6	12	4.9
NORTHUMBERLAND	0	-	2	2.0	2	2.0	17	17.3	1	1.0	5	5.1
PERRY	0	-	2	4.9	1	2.5	0	-	1	2.5	1	2.5
PHILADELPHIA	257	15.6	391	23.7	116	7.0	8	0.5	219	13.3	74	4.5
PIKE	0	-	0	-	1	3.7	0	-	0	-	1	3.7
POTTER	0	-	0	-	1	5.6	0	-	0	-	0	-
SCHUYLKILL	10	6.5	2	1.3	6	3.9	94	61.0	2	1.3	2	1.3
SNYDER	1	2.7	0	-	4	11.0	0	-	1	2.7	1	2.7
SOMERSET	3	3.7	0	-	5	6.2	5	6.2	1	1.2	2	2.5
SULLIVAN	0	-	0	-	0	-	0	-	0	-	0	-
SUSQUEHANNA	1	2.4	0	-	0	-	3	7.3	1	2.4	1	2.4
TIOGA	0	-	1	2.5	3	7.4	0	-	1	2.5	2	5.0
UNION	2	5.7	4	11.5	2	5.7	0	-	1	2.9	2	5.7
VENANGO	1	1.6	0	-	5	8.2	0	-	3	4.9	0	-
WARREN	2	4.4	1	2.2	2	4.4	0	-	0	-	0	-
WASHINGTON	7	3.3	6	2.9	5	2.4	4	1.9	3	1.4	12	5.7
WAYNE	1	2.5	1	2.5	1	2.5	0	-	0	-	3	7.4
WESTMORELAND	10	2.6	5	1.3	11	2.9	4	1.1	5	1.3	15	4.0
WYOMING	2	7.0	0	-	1	3.5	0	-	1	3.5	3	10.6
YORK	13	3.9	12	3.6	18	5.4	0	-	5	1.5	14	4.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1988

	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	420	3.5	365	3.0	305	2.5	302	2.5	223	1.9	176	1.5
ADAMS	1	1.3	3	4.0	1	1.3	2	2.7	1	1.3	0	-
ALLEGHENY	51	3.8	59	4.4	32	2.4	52	3.8	32	2.4	14	1.0
ARMSTRONG	1	1.3	3	3.9	0	-	0	-	4	5.1	0	-
BEAVER	3	1.6	7	3.7	6	3.2	1	0.5	2	1.1	5	2.6
BEDFORD	2	4.2	1	2.1	2	4.2	0	-	0	-	1	2.1
BERKS	21	6.4	6	1.8	4	1.2	8	2.4	6	1.8	2	0.6
BLAIR	7	5.3	5	3.8	3	2.3	3	2.3	2	1.5	1	0.8
BRADFORD	2	3.1	0	-	1	1.6	0	-	2	3.1	1	1.6
BUCKS	12	2.2	19	3.5	13	2.4	6	1.1	4	0.7	5	0.9
BUTLER	6	3.9	3	2.0	1	0.7	1	0.7	4	2.6	1	0.7
CAMBRIA	7	4.1	3	1.8	8	4.7	2	1.2	4	2.4	2	1.2
CAMERON	2	31.3	0	-	0	-	0	-	1	15.6	0	-
CARBON	6	10.7	1	1.8	0	-	3	5.3	2	3.6	0	-
CENTRE	4	3.5	2	1.7	3	2.6	2	1.7	1	0.9	1	0.9
CHESTER	7	1.9	8	2.2	4	1.1	4	1.1	4	1.1	4	1.1
CLARION	2	4.8	1	2.4	0	-	1	2.4	1	2.4	1	2.4
CLEARFIELD	6	7.3	2	2.4	1	1.2	3	3.7	2	2.4	3	3.7
CLINTON	0	-	1	2.6	2	5.3	2	5.3	1	2.6	1	2.6
COLUMBIA	0	-	4	6.6	1	1.6	1	1.6	0	-	0	-
CRAWFORD	3	3.5	0	-	3	3.5	4	4.7	2	2.3	3	3.5
CUMBERLAND	3	1.5	14	7.2	4	2.0	1	0.5	2	1.0	2	1.0
DAUPHIN	9	3.7	6	2.5	5	2.1	7	2.9	7	2.9	4	1.7
DELAWARE	21	3.8	24	4.3	6	1.1	10	1.8	10	1.8	10	1.8
ELK	1	2.7	0	-	1	2.7	1	2.7	0	-	1	2.7
ERIE	8	2.9	4	1.4	8	2.9	9	3.2	2	0.7	5	1.8
FAYETTE	8	5.3	7	4.6	2	1.3	3	2.0	3	2.0	4	2.6
FOREST	0	-	0	-	1	21.3	0	-	0	-	0	-
FRANKLIN	5	4.2	4	3.3	5	4.2	6	5.0	1	0.8	1	0.8
FULTON	0	-	0	-	0	-	0	-	1	6.9	0	-
GREENE	2	5.0	1	2.5	2	5.0	3	7.6	1	2.5	2	5.0
HUNTINGDON	3	7.0	2	4.6	2	4.6	0	-	0	-	0	-
INDIANA	1	1.1	3	3.3	1	1.1	4	4.3	0	-	1	1.1
JEFFERSON	4	8.4	0	-	2	4.2	2	4.2	0	-	1	2.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	1	4.9	0	-	0	-	0	-	0	-	0	-
LACKAWANNA	9	4.0	6	2.7	6	2.7	5	2.2	4	1.8	5	2.2
LANCASTER	11	2.7	11	2.7	9	2.2	6	1.4	4	1.0	2	0.5
LAWRENCE	6	5.9	0	-	5	5.0	5	5.0	1	1.0	1	1.0
LEBANON	3	2.6	1	0.9	0	-	3	2.6	3	2.6	1	0.9
LEHIGH	18	6.2	6	2.1	13	4.5	6	2.1	6	2.1	1	0.3
LUZERNE	19	5.7	9	2.7	6	1.8	10	3.0	7	2.1	5	1.5
LYCOMING	4	3.4	4	3.4	3	2.5	0	-	2	1.7	6	5.1
MCKEAN	0	-	0	-	3	6.5	1	2.2	0	-	1	2.2
MERCER	5	4.1	8	6.5	3	2.5	11	9.0	2	1.6	2	1.6
MIFFLIN	0	-	0	-	3	6.4	2	4.3	1	2.1	2	4.3
MONROE	1	1.1	5	5.3	0	-	2	2.1	0	-	0	-
MONTGOMERY	27	3.9	24	3.5	25	3.6	16	2.3	10	1.5	6	0.9
MONTOUR	3	18.2	1	6.1	0	-	1	6.1	0	-	1	6.1
NORTHAMPTON	4	1.6	6	2.5	6	2.5	5	2.1	3	1.2	3	1.2
NORTHUMBERLAND	3	3.0	2	2.0	2	2.0	8	8.1	4	4.1	2	2.0
PERRY	1	2.5	0	-	0	-	2	4.9	0	-	0	-
PHILADELPHIA	52	3.2	49	3.0	59	3.6	33	2.0	38	2.3	43	2.6
PIKE	0	-	2	7.5	0	-	2	7.5	1	3.7	0	-
POTTER	1	5.6	1	5.6	0	-	2	11.1	1	5.6	0	-
SCHUYLKILL	5	3.2	5	3.2	5	3.2	8	5.2	4	2.6	1	0.6
SNYDER	1	2.7	0	-	2	5.5	0	-	2	5.5	0	-
SOMERSET	4	5.0	1	1.2	3	3.7	2	2.5	2	2.5	0	-
SULLIVAN	0	-	1	15.6	0	-	0	-	0	-	0	-
SUSQUEHANNA	1	2.4	2	4.9	0	-	0	-	1	2.4	1	2.4
TIOGA	1	2.5	0	-	0	-	1	2.5	1	2.5	0	-
UNION	1	2.9	0	-	0	-	0	-	0	-	0	-
VENANGO	0	-	1	1.6	4	6.6	1	1.6	2	3.3	1	1.6
WARREN	2	4.4	1	2.2	1	2.2	3	6.6	2	4.4	2	4.4
WASHINGTON	6	2.9	8	3.8	8	3.8	7	3.3	5	2.4	1	0.5
WAYNE	0	-	1	2.5	1	2.5	2	4.9	0	-	2	4.9
WESTMORELAND	12	3.2	7	1.8	8	2.1	10	2.6	8	2.1	3	0.8
WYOMING	2	7.0	0	-	0	-	0	-	0	-	0	-
YORK	9	2.7	10	3.0	6	1.8	7	2.1	7	2.1	8	2.4

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	150	1.2	139	1.2	135	1.1	104	0.9	99	0.8
ADAMS	0	-	1	1.3	2	2.7	2	2.7	1	1.3
ALLEGHENY	25	1.8	18	1.3	22	1.6	17	1.3	20	1.5
ARMSTRONG	0	-	0	-	0	-	0	-	0	-
BEAVER	3	1.6	0	-	5	2.6	2	1.1	1	0.5
BEDFORD	0	-	0	-	0	-	0	-	0	-
BERKS	2	0.6	6	1.8	6	1.8	3	0.9	1	0.3
BLAIR	2	1.5	1	0.8	4	3.0	1	0.8	3	2.3
BRADFORD	0	-	0	-	0	-	2	3.1	1	1.6
BUCKS	4	0.7	4	0.7	6	1.1	3	0.6	3	0.6
BUTLER	1	0.7	4	2.6	0	-	0	-	1	0.7
CAMBRIA	6	3.5	1	0.6	6	3.5	0	-	0	-
CAMERON	0	-	0	-	0	-	0	-	0	-
CARBON	1	1.8	1	1.8	2	3.6	0	-	0	-
CENTRE	0	-	1	0.9	0	-	0	-	0	-
CHESTER	2	0.5	2	0.5	3	0.8	4	1.1	1	0.3
CLARION	0	-	1	2.4	1	2.4	0	-	1	2.4
CLEARFIELD	1	1.2	0	-	2	2.4	0	-	1	1.2
CLINTON	0	-	0	-	0	-	1	2.6	0	-
COLUMBIA	2	3.3	2	3.3	1	1.6	2	3.3	0	-
CRAWFORD	0	-	0	-	0	-	0	-	0	-
CUMBERLAND	4	2.0	0	-	0	-	2	1.0	1	0.5
DAUPHIN	5	2.1	1	0.4	3	1.2	1	0.4	3	1.2
DELAWARE	6	1.1	11	2.0	6	1.1	6	1.1	5	0.9
ELK	0	-	0	-	0	-	0	-	0	-
ERIE	1	0.4	0	-	1	0.4	2	0.7	0	-
FAYETTE	0	-	1	0.7	3	2.0	1	0.7	1	0.7
FOREST	1	21.3	0	-	0	-	0	-	0	-
FRANKLIN	1	0.8	0	-	1	0.8	0	-	1	0.8
FULTON	0	-	0	-	1	6.9	0	-	0	-
GREENE	0	-	0	-	2	5.0	0	-	0	-
HUNTINGDON	1	2.3	1	2.3	0	-	0	-	1	2.3
INDIANA	1	1.1	0	-	0	-	1	1.1	1	1.1
JEFFERSON	3	6.3	0	-	1	2.1	0	-	0	-

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	0	-	0	-	1	4.9	0	-	0	-
LACKAWANNA	6	2.7	3	1.3	1	0.4	1	0.4	2	0.9
LANCASTER	4	1.0	1	0.2	6	1.4	8	1.9	3	0.7
LAWRENCE	3	3.0	0	-	0	-	0	-	0	-
LEBANON	5	4.4	0	-	2	1.7	2	1.7	0	-
LEHIGH	4	1.4	4	1.4	0	-	2	0.7	0	-
LUZERNE	10	3.0	2	0.6	8	2.4	1	0.3	2	0.6
LYCOMING	1	0.8	0	-	0	-	1	0.8	2	1.7
MCKEAN	0	-	0	-	1	2.2	2	4.3	1	2.2
MERCER	0	-	2	1.6	1	0.8	0	-	0	-
MIFFLIN	1	2.1	0	-	0	-	1	2.1	0	-
MONROE	1	1.1	1	1.1	0	-	0	-	0	-
MONTGOMERY	6	0.9	6	0.9	3	0.4	6	0.9	3	0.4
MONTOUR	0	-	0	-	0	-	0	-	0	-
NORTHAMPTON	2	0.8	4	1.6	2	0.8	1	0.4	2	0.8
NORTHUMBERLAND	1	1.0	1	1.0	0	-	1	1.0	1	1.0
PERRY	2	4.9	0	-	2	4.9	0	-	0	-
PHILADELPHIA	12	0.7	49	3.0	17	1.0	13	0.8	22	1.3
PIKE	2	7.5	0	-	0	-	0	-	0	-
POTTER	0	-	0	-	0	-	0	-	0	-
SCHUYLKILL	5	3.2	1	0.6	2	1.3	1	0.6	4	2.6
SNYDER	0	-	0	-	0	-	1	2.7	0	-
SOMERSET	0	-	1	1.2	0	-	1	1.2	0	-
SULLIVAN	0	-	0	-	0	-	0	-	0	-
SUSQUEHANNA	0	-	0	-	0	-	1	2.4	1	2.4
TIOGA	1	2.5	0	-	0	-	0	-	0	-
UNION	0	-	0	-	0	-	0	-	0	-
VENANGO	1	1.6	0	-	0	-	2	3.3	1	1.6
WARREN	0	-	0	-	1	2.2	0	-	0	-
WASHINGTON	4	1.9	0	-	1	0.5	3	1.4	1	0.5
WAYNE	0	-	0	-	1	2.5	1	2.5	0	-
WESTMORELAND	3	0.8	5	1.3	6	1.6	2	0.5	3	0.8
WYOMING	0	-	0	-	0	-	0	-	0	-
YORK	4	1.2	3	0.9	2	0.6	3	0.9	4	1.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	78	0.6	71	0.6	55	0.5	47	0.4	11,531	96.1
ADAMS	0	-	0	-	0	-	0	-	59	79.4
ALLEGHENY	12	0.9	4	0.3	4	0.3	5	0.4	1,395	103.0
ARMSTRONG	2	2.6	0	-	0	-	1	1.3	71	91.1
BEAVER	2	1.1	3	1.6	1	0.5	3	1.6	175	92.2
BEDFORD	0	-	0	-	0	-	1	2.1	27	56.2
BERKS	0	-	1	0.3	0	-	1	0.3	348	105.7
BLAIR	0	-	0	-	1	0.8	1	0.8	138	104.2
BRADFORD	0	-	0	-	0	-	0	-	74	114.7
BUCKS	2	0.4	1	0.2	4	0.7	1	0.2	470	86.5
BUTLER	0	-	0	-	1	0.7	0	-	84	54.8
CAMBRIA	1	0.6	4	2.4	0	-	0	-	134	78.8
CAMERON	0	-	0	-	0	-	0	-	5	78.1
CARBON	2	3.6	0	-	0	-	0	-	44	78.4
CENTRE	0	-	0	-	0	-	0	-	50	43.2
CHESTER	1	0.3	0	-	4	1.1	1	0.3	257	70.1
CLARION	1	2.4	0	-	0	-	0	-	39	93.3
CLEARFIELD	0	-	0	-	0	-	2	2.4	55	67.3
CLINTON	0	-	0	-	0	-	0	-	36	94.7
COLUMBIA	1	1.6	0	-	0	-	0	-	57	93.4
CRAWFORD	0	-	0	-	0	-	0	-	75	87.2
CUMBERLAND	3	1.5	0	-	1	0.5	0	-	129	66.1
DAUPHIN	1	0.4	3	1.2	2	0.8	0	-	183	76.0
DELAWARE	5	0.9	1	0.2	3	0.5	2	0.4	594	106.7
ELK	0	-	0	-	0	-	0	-	35	95.4
ERIE	3	1.1	2	0.7	1	0.4	1	0.4	225	81.2
FAYETTE	0	-	3	2.0	1	0.7	0	-	137	90.0
FOREST	0	-	0	-	0	-	0	-	2	42.6
FRANKLIN	0	-	0	-	0	-	0	-	96	79.8
FULTON	0	-	0	-	0	-	0	-	11	76.4
GREENE	0	-	0	-	0	-	2	5.0	34	85.6
HUNTINGDON	1	2.3	1	2.3	0	-	0	-	21	48.7
INDIANA	0	-	0	-	0	-	0	-	57	62.0
JEFFERSON	0	-	0	-	0	-	0	-	38	79.7

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	1	4.9	1	4.9	0	-	0	-	22	108.4
LACKAWANNA	2	0.9	1	0.4	2	0.9	1	0.4	217	97.6
LANCASTER	2	0.5	0	-	4	1.0	0	-	264	63.8
LAWRENCE	0	-	0	-	0	-	2	2.0	80	79.3
LEBANON	1	0.9	1	0.9	2	1.7	0	-	74	64.7
LEHIGH	3	1.0	1	0.3	0	-	0	-	203	70.3
LUZERNE	2	0.6	6	1.8	0	-	5	1.5	317	95.6
LYCOMING	0	-	0	-	0	-	0	-	78	65.9
MCKEAN	0	-	0	-	0	-	1	2.2	40	86.6
MERCER	1	0.8	0	-	0	-	1	0.8	117	95.6
MIFFLIN	0	-	0	-	1	2.1	0	-	41	87.8
MONROE	2	2.1	0	-	0	-	1	1.1	64	68.4
MONTGOMERY	4	0.6	5	0.7	1	0.1	4	0.6	579	84.2
MONTOUR	0	-	0	-	0	-	1	6.1	23	139.4
NORTHAMPTON	2	0.8	1	0.4	3	1.2	1	0.4	169	69.4
NORTHUMBERLAND	2	2.0	0	-	0	-	1	1.0	71	72.2
PERRY	0	-	0	-	0	-	0	-	20	49.0
PHILADELPHIA	5	0.3	27	1.6	12	0.7	4	0.2	2,805	170.3
PIKE	0	-	0	-	0	-	0	-	21	78.4
POTTER	0	-	0	-	0	-	0	-	11	61.1
SCHUYLKILL	7	4.5	0	-	0	-	1	0.6	146	94.7
SNYDER	0	-	1	2.7	0	-	0	-	20	54.9
SOMERSET	0	-	0	-	0	-	0	-	59	73.3
SULLIVAN	1	15.6	0	-	0	-	0	-	5	78.1
SUSQUEHANNA	0	-	0	-	0	-	0	-	22	53.8
TIOGA	0	-	0	-	2	5.0	1	2.5	27	67.0
UNION	2	5.7	0	-	0	-	0	-	25	71.6
VENANGO	1	1.6	1	1.6	1	1.6	1	1.6	53	86.9
WARREN	0	-	0	-	0	-	0	-	48	105.3
WASHINGTON	1	0.5	1	0.5	1	0.5	1	0.5	173	82.7
WAYNE	0	-	0	-	0	-	0	-	47	116.1
WESTMORELAND	1	0.3	1	0.3	3	0.8	0	-	285	75.3
WYOMING	0	-	0	-	0	-	0	-	15	52.8
YORK	1	0.3	1	0.3	0	-	0	-	235	69.9

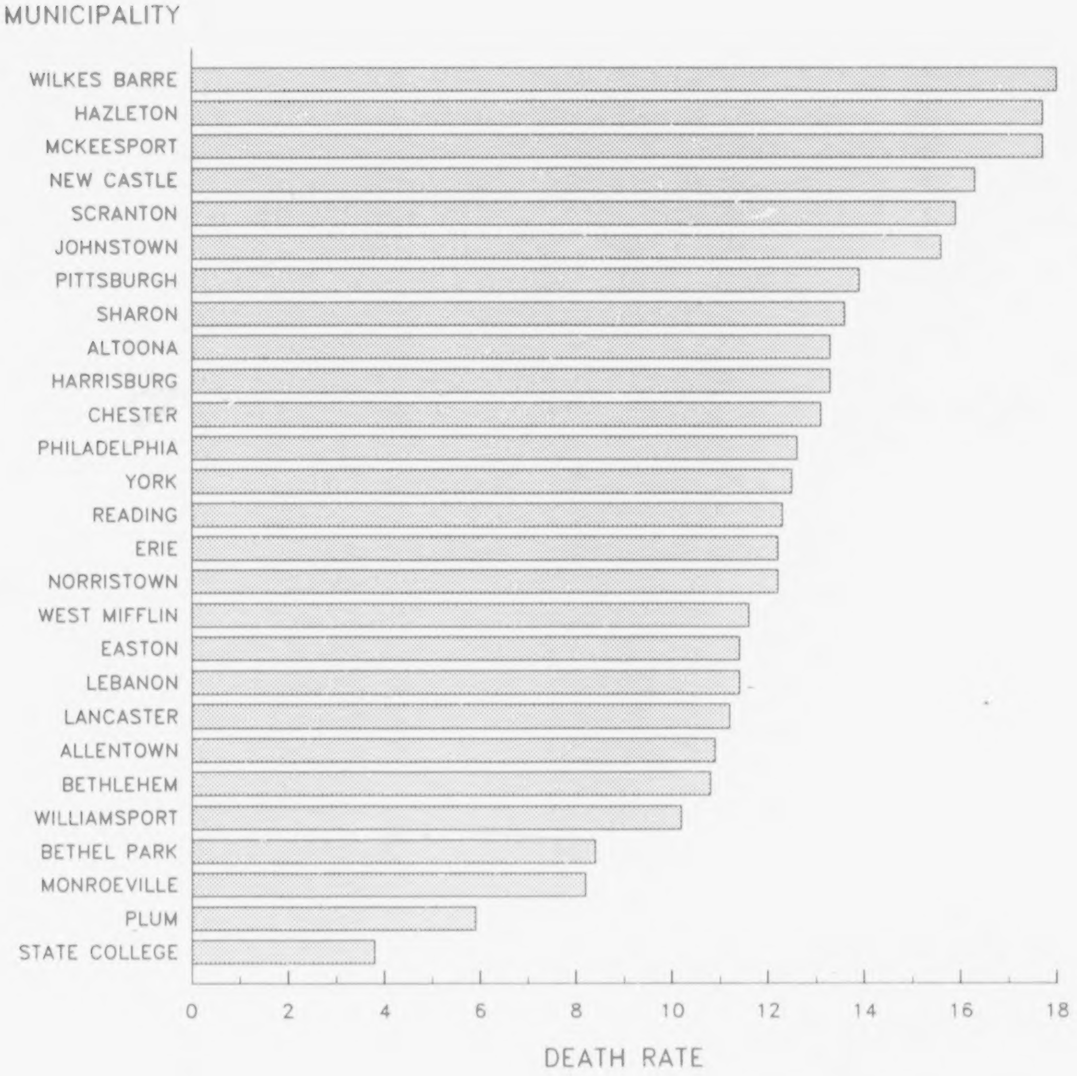
* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

TABLE C-30
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS FOR SELECTED MUNICIPALITIES, NUMBER AND RATE*: PENNSYLVANIA, 1988

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
STATE TOTAL	165,169	13.8	125,337	10.4	1,615	9.8	1,092	6.6	1,913	11.4
ALLENTOWN	1,807	17.2	1,144	10.9	18	10.0	15	8.3	22	12.0
ALTOONA	633	12.0	704	13.3	5	7.9	2	3.2	10	15.6
BETHEL PARK	446	12.9	288	8.4	4	9.0	1	2.2	4	8.9
BETHLEHEM	925	12.8	780	10.8	8	8.6	6	6.5	7	7.5
CHESTER	1,037	24.4	558	13.1	18	17.4	11	10.6	27	25.4
EASTON	498	18.3	310	11.4	4	8.0	3	6.0	3	6.0
ERIE	2,133	18.9	1,374	12.2	27	12.7	18	8.4	29	13.4
HARRISBURG	1,181	22.8	687	13.3	18	15.2	12	10.2	19	15.8
HAZLETON	281	11.1	447	17.7	4	14.2	3	10.7	3	10.6
JOHNSTOWN	392	12.9	475	15.6	5	12.8	2	5.1	2	5.1
LANCASTER	1,206	20.4	662	11.2	16	13.3	12	10.0	17	13.9
LEBANON	410	15.3	307	11.4	4	9.8	2	4.9	6	14.4
MCKEESPORT	383	14.6	466	17.7	5	13.1	1	2.6	3	7.8
MONROEVILLE	339	11.5	241	8.2	4	11.8	4	11.8	2	5.9
NEW CASTLE	433	14.5	488	16.3	7	16.2	5	11.5	1	2.3
NORRISTOWN	752	22.5	406	12.2	14	18.6	11	14.6	11	14.4
PHILADELPHIA	28,940	17.6	20,707	12.6	497	17.2	328	11.3	451	15.3
PITTSBURGH	5,222	13.9	5,214	13.9	77	14.7	54	10.3	103	19.3
PLUM	327	13.2	147	5.9	1	3.1	0	-	2	6.1
READING	1,521	19.9	941	12.3	21	13.8	14	9.2	24	15.5
SCRANTON	1,082	13.3	1,288	15.9	12	11.1	9	8.3	7	6.4
SHARON	254	16.3	212	13.6	3	11.8	2	7.9	3	11.7
STATE COLLEGE	202	6.1	125	3.8	4	19.8	3	14.9	3	14.6
WEST MIFFLIN	276	11.4	281	11.6	6	21.7	5	18.1	5	17.8
WILKES BARRE	653	13.9	846	18.0	4	6.1	3	4.6	8	12.1
WILLIAMSPORT	589	18.5	324	10.2	8	13.6	7	11.9	4	6.7
YORK	923	20.3	569	12.5	13	14.1	9	9.8	12	12.8
ALL OTHER AREAS	112,324	12.7	85,346	9.7	808	7.2	550	4.9	1,125	9.9

* BIRTH AND DEATH CRUDE RATES PER 1,000 ESTIMATED 1988 POPULATION.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS.
FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS PLUS FETAL DEATHS).
**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

FIGURE C–29
RESIDENT CRUDE DEATH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988



NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE C–30 FOR CORRESPONDING DATA.

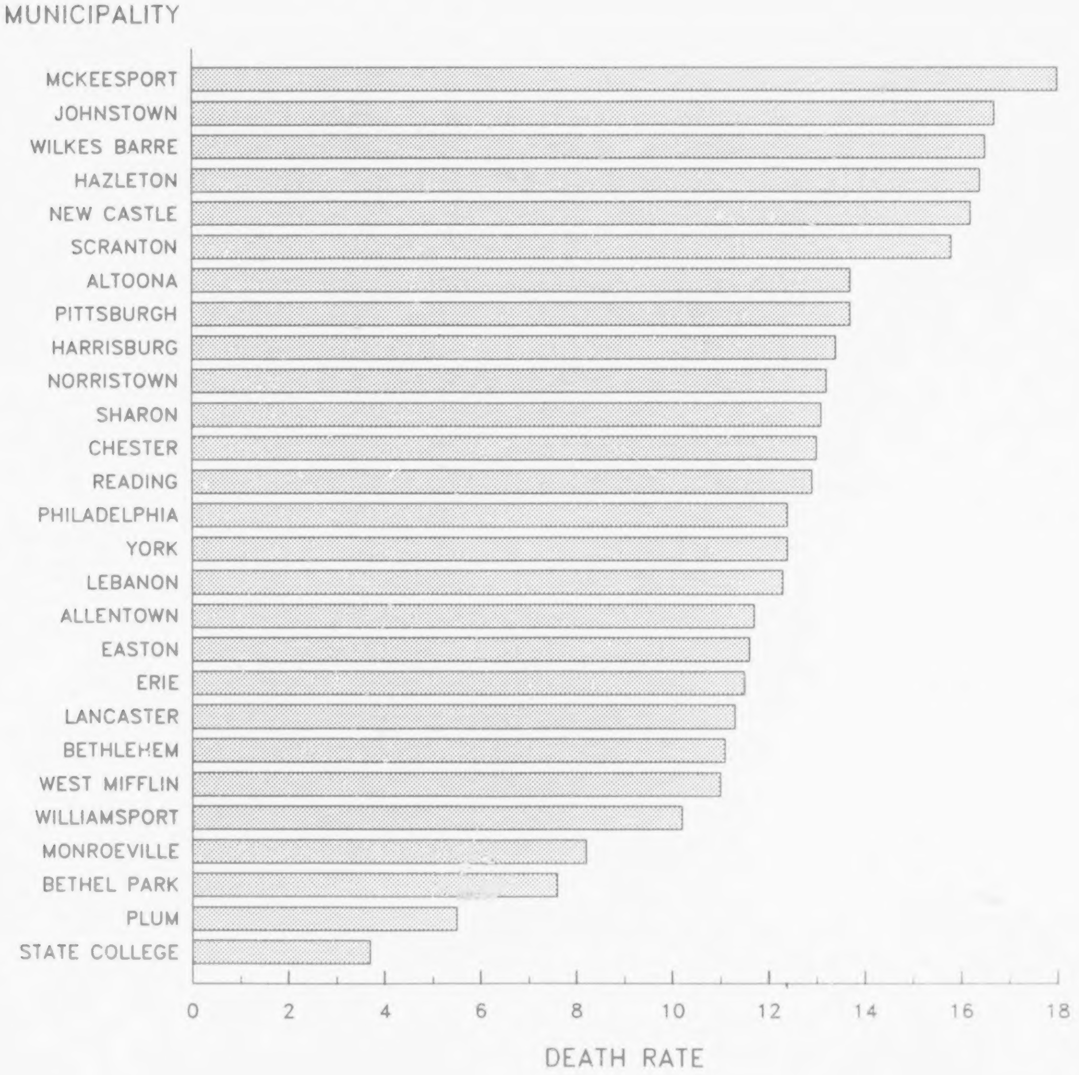
TABLE C-31
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS FOR SELECTED MUNICIPALITIES NUMBER AND RATE*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

	ALL DEATHS 1984-1988		INFANT DEATHS 1984-1988		NEONATAL DEATHS 1984-1988	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	618,766	10.4	8,265	10.3	5,670	7.0
ALLENTOWN	6,105	11.7	86	10.2	60	7.1
ALTOONA	3,659	13.7	39	11.9	27	8.2
BETHEL PARK	1,306	7.6	11	5.2	7	3.3
BETHLEHEM	3,939	11.1	44	10.0	32	7.3
CHESTER	2,819	13.0	82	16.5	62	12.5
EASTON	1,543	11.6	23	10.2	17	7.5
ERIE	6,585	11.5	124	11.5	89	8.2
HARRISBURG	3,462	13.4	89	15.6	64	11.2
HAZLETON	2,092	16.4	21	14.2	15	10.2
JOHNSTOWN	2,663	16.7	26	13.1	14	7.0
LANCASTER	3,259	11.3	69	12.3	49	8.7
LEBANON	1,629	12.3	20	10.1	12	6.0
MCKEESPORT	2,463	18.0	29	14.7	18	9.1
MONROEVILLE	1,220	8.2	22	13.4	17	10.4
NEW CASTLE	2,492	16.2	30	13.5	20	9.0
NORRISTOWN	2,231	13.2	59	16.1	46	12.6
PHILADELPHIA	102,087	12.4	2,229	16.2	1,480	10.8
PITTSBURGH	26,570	13.7	424	15.7	312	11.5
PLUM	690	5.5	16	8.5	13	6.9
READING	4,991	12.9	96	13.4	68	9.5
SCRANTON	6,494	15.8	63	11.7	43	8.0
SHARON	1,060	13.1	7	5.8	6	5.0
STATE COLLEGE	617	3.7	10	10.9	7	7.6
WEST MIFFLIN	1,354	11.0	20	14.9	19	14.1
WILKES BARRE	3,968	16.5	27	8.4	17	5.3
WILLIAMSPORT	1,629	10.2	28	10.7	18	6.9
YORK	2,766	12.4	58	14.0	41	9.9
ALL OTHER AREAS	419,073	9.6	4,513	8.2	3,097	5.6

* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH SPECIFIED AREA, 1984-1988.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH SPECIFIED AREA, 1984-1988.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

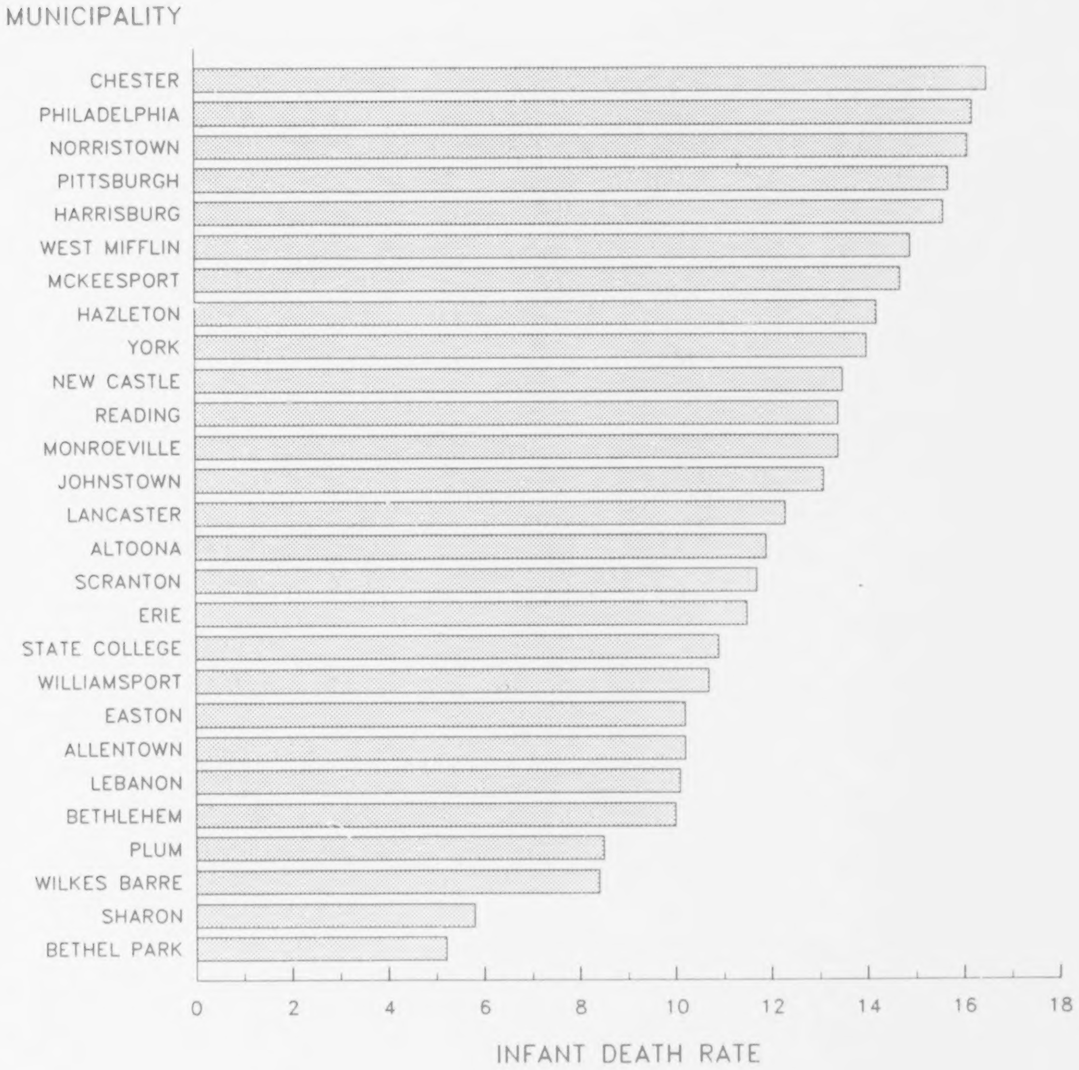
FIGURE C-30
RESIDENT CRUDE DEATH RATES BY SELECTED MUNICIPALITIES PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988



NOTE: RATE PER 1,000 POPULATION, 1984-1988. SEE TABLE C-31 FOR CORRESPONDING DATA.

FIGURE C-31

RESIDENT INFANT DEATH RATES BY SELECTED MUNICIPALITIES PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988



NOTE: RATE PER 1,000 LIVE BIRTHS, 1984-1988. SEE TABLE C-31 FOR CORRESPONDING DATA.

TABLE C-32
RESIDENT DEATHS BY AGE GROUP AND SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988

MUNICIPALITY	TOTAL DEATHS	AGE AT DEATH (IN YEARS)											
		UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
STATE TOTAL	125,337	1,926	186	165	588	941	2,387	3,261	5,643	15,573	30,813	36,925	26,929
ALLENTOWN	1,144	20	5	0	3	6	27	37	50	108	274	337	277
ALTOONA	704	6	0	0	5	5	18	21	22	83	195	202	147
BETHEL PARK	288	4	0	1	0	2	7	8	14	38	65	84	65
BETHLEHEM	780	10	0	2	2	4	16	12	36	83	205	233	177
CHESTER	558	21	1	2	1	6	15	32	38	100	132	126	84
EASTON	310	4	0	0	2	2	6	8	6	37	69	91	85
ERIE	1,374	33	5	3	11	10	24	25	53	160	344	396	310
HARRISBURG	687	26	2	3	3	5	14	32	41	97	160	172	132
HAZLETON	447	4	0	0	2	2	7	5	16	41	117	165	88
JOHNSTOWN	475	6	0	0	1	1	8	9	23	69	143	137	78
LANCASTER	662	17	0	0	2	2	17	26	18	74	145	196	165
LEBANON	307	5	0	0	0	4	7	7	16	36	84	87	61
MCKEESPORT	466	6	1	1	2	3	8	11	19	59	118	140	98
MONROEVILLE	241	4	1	0	2	3	2	3	12	49	53	72	40
NEW CASTLE	488	10	0	1	3	2	4	7	24	48	125	139	122
NORRISTOWN	406	15	0	1	0	2	23	15	23	57	95	114	61
PHILADELPHIA	20,707	579	42	32	114	203	629	792	1,304	2,877	4,937	5,542	3,656
PITTSBURGH	5,214	92	4	4	18	25	91	156	232	709	1,300	1,568	1,015
PLUM	147	1	0	1	0	3	3	4	7	27	37	40	24
READING	941	24	1	2	5	7	20	35	33	102	223	282	207
SCRANTON	1,288	14	1	0	3	6	17	28	52	151	310	425	281
SHARON	212	3	0	1	4	0	0	5	13	23	59	59	45
STATE COLLEGE	125	4	0	0	0	0	2	3	1	14	24	42	35
WEST MIFFLIN	281	7	0	0	0	0	4	4	10	50	101	77	28
WILKES BARRE	846	5	0	2	1	4	10	18	43	98	199	278	188
WILLIAMSPORT	324	10	2	1	1	2	7	5	17	41	77	99	62
YORK	569	15	3	1	6	4	12	23	33	71	119	158	124
ALL OTHER AREAS	85,346	981	118	107	397	628	1,389	1,930	3,487	10,271	21,100	25,664	19,274

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-33
RESIDENT DEATHS BY SEX AND RACE FOR SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988

COUNTY	TOTAL DEATHS	WHITE *			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
STATE TOTAL	125,337	113,214	56,718	56,496	12,123	6,508	5,615
ALLENTOWN	1,144	1,112	560	552	32	17	15
ALTOONA	704	688	354	334	16	8	8
BETHEL PARK	288	284	143	141	4	2	2
BETHLEHEM	780	754	391	363	26	16	10
CHESTER	558	261	131	130	297	150	147
EASTON	310	296	141	155	14	9	5
ERIE	1,374	1,286	619	667	88	48	40
HARRISBURG	687	423	188	235	264	134	130
HAZLETON	447	447	216	231	0	0	0
JOHNSTOWN	475	449	259	190	26	13	13
LANCASTER	662	614	289	325	48	31	17
LEBANON	307	305	160	145	2	1	1
MCKEESPORT	466	418	212	206	48	27	21
MONROEVILLE	241	231	115	116	10	5	5
NEW CASTLE	488	460	225	235	28	12	16
NORRISTOWN	406	335	175	160	71	41	30
PHILADELPHIA	20,707	12,925	6,366	6,559	7,782	4,170	3,612
PITTSBURGH	5,214	3,963	1,904	2,059	1,251	656	595
PLUM	147	146	77	69	1	1	0
READING	941	877	428	449	64	37	27
SCRANTON	1,288	1,278	604	674	10	6	4
SHARON	212	203	94	109	9	6	3
STATE COLLEGE	125	123	53	70	2	2	0
WEST MIFFLIN	281	265	147	118	16	9	7
WILKES BARRE	846	837	351	486	9	3	6
WILLIAMSPORT	324	307	171	136	17	9	8
YORK	569	492	235	257	77	42	35
ALL OTHER AREAS	85,346	83,435	42,110	41,325	1,911	1,053	858

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-34
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	ALL CAUSES		HEART DISEASE							
			TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	125,337	1044.3	47,810	398.3	468	3.9	1,055	8.8	14,104	117.5
ALLENTOWN	1,144	1087.3	457	434.4	5	4.8	8	7.6	132	125.5
ALTOONA	704	1333.6	289	547.5	5	9.5	6	11.4	82	155.3
BETHEL PARK	288	835.5	102	295.9	2	5.8	1	2.9	42	121.8
BETHLEHEM	780	1076.2	303	418.0	2	2.8	5	6.9	85	117.3
CHESTER	558	1310.8	171	401.7	0	-	15	35.2	41	96.3
EASTON	310	1136.8	139	509.7	1	3.7	3	11.0	47	172.4
ERIE	1,374	1218.1	504	446.8	7	6.2	11	9.8	143	126.8
HARRISBURG	687	1328.0	254	491.0	5	9.7	7	13.5	58	112.1
HAZLETON	447	1767.5	199	786.9	2	7.9	2	7.9	55	217.5
JOHNSTOWN	475	1562.0	201	661.0	6	19.7	6	19.7	59	194.0
LANCASTER	662	1122.4	254	430.7	2	3.4	7	11.9	79	133.9
LEBANON	307	1143.0	119	443.0	2	7.4	3	11.2	35	130.3
MCKEESPORT	466	1771.9	186	707.2	2	7.6	1	3.8	67	254.8
MONROEVILLE	241	816.7	88	298.2	3	10.2	1	3.4	24	81.3
NEW CASTLE	488	1633.7	207	693.0	2	6.7	6	20.1	94	314.7
NORRISTOWN	406	1216.7	141	422.5	1	3.0	8	24.0	39	116.9
PHILADELPHIA	20,707	1257.3	6,702	406.9	49	3.0	183	11.1	1,527	92.7
PITTSBURGH	5,214	1389.5	1,989	530.1	26	6.9	59	15.7	619	165.0
PLUM	147	593.7	45	181.7	1	4.0	0	-	14	56.5
READING	941	1229.3	330	431.1	2	2.6	7	9.1	106	138.5
SCRANTON	1,288	1585.2	557	685.5	9	11.1	19	23.4	154	189.5
SHARON	212	1362.5	83	533.4	0	-	0	-	22	141.4
STATE COLLEGE	125	380.1	54	164.2	1	3.0	0	-	13	39.5
WEST MIFFLIN	281	1157.8	119	490.3	1	4.1	2	8.2	39	160.7
WILKES BARRE	846	1799.6	378	804.1	4	8.5	6	12.8	86	182.9
WILLIAMSPORT	324	1017.9	120	377.0	0	-	1	3.1	27	84.8
YORK	569	1254.1	225	495.9	2	4.4	5	11.0	49	108.0
ALL OTHER AREAS	85,346	965.4	33,594	380.0	326	3.7	683	7.7	10,366	117.3

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	15,082	125.7	17,101	142.5	28,316	235.9	393	3.3	7,078	59.0	7,632	63.6
ALLENTOWN	127	120.7	185	175.8	254	241.4	2	1.9	49	46.6	69	65.6
ALTOONA	116	219.7	80	151.5	166	314.5	0	-	47	89.0	55	104.2
BETHEL PARK	33	95.7	24	69.6	77	223.4	1	2.9	11	31.9	27	78.3
BETHLEHEM	73	100.7	138	190.4	183	252.5	5	6.9	51	70.4	42	57.9
CHESTER	49	115.1	66	155.0	127	298.3	2	4.7	26	61.1	46	108.1
EASTON	29	106.3	59	216.4	65	238.4	2	7.3	13	47.7	16	58.7
ERIE	209	185.3	134	118.8	286	253.5	6	5.3	79	70.0	65	57.6
HARRISBURG	48	92.8	136	262.9	141	272.6	2	3.9	34	65.7	34	65.7
HAZLETON	58	229.3	82	324.2	98	387.5	2	7.9	35	138.4	22	87.0
JOHNSTOWN	82	269.6	48	157.8	100	328.8	2	6.6	24	78.9	33	108.5
LANCASTER	58	98.3	108	183.1	139	235.7	2	3.4	31	52.6	42	71.2
LEBANON	30	111.7	49	182.4	72	268.1	1	3.7	20	74.5	21	78.2
MCKEESPORT	48	182.5	68	258.6	88	334.6	0	-	21	79.8	29	110.3
MONROEVILLE	32	108.4	28	94.9	63	213.5	1	3.4	16	54.2	18	61.0
NEW CASTLE	63	210.9	42	140.6	91	304.7	3	10.0	20	67.0	30	100.4
NORRISTOWN	43	128.9	50	149.8	97	290.7	0	-	24	71.9	39	116.9
PHILADELPHIA	1,978	120.1	2,965	180.0	4,604	279.5	88	5.3	1,151	69.9	1,361	82.6
PITTSBURGH	528	140.7	757	201.7	1,190	317.1	14	3.7	277	73.8	376	100.2
PLUM	15	60.6	15	60.6	46	185.8	0	-	13	52.5	12	48.5
READING	92	120.2	123	160.7	201	262.6	2	2.6	57	74.5	47	61.4
SCRANTON	125	153.8	250	307.7	296	364.3	5	6.2	73	89.8	81	99.7
SHARON	41	263.5	20	128.5	44	282.8	0	-	15	96.4	14	90.0
STATE COLLEGE	14	42.6	26	79.1	32	97.3	2	6.1	9	27.4	4	12.2
WEST MIFFLIN	40	164.8	37	152.5	70	288.4	2	8.2	13	53.6	22	90.6
WILKES BARRE	101	214.8	181	385.0	157	334.0	3	6.4	42	89.3	34	72.3
WILLIAMSPORT	37	116.2	55	172.8	81	254.5	1	3.1	18	56.6	32	100.5
YORK	91	200.6	78	171.9	130	286.5	1	2.2	38	83.8	32	70.5
ALL OTHER AREAS	10,922	123.5	11,297	127.8	19,418	219.6	244	2.8	4,871	55.1	5,029	56.9

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	3,199	26.7	4,150	34.6	3,197	26.6	1,020	8.5	1,647	13.7
ALLENTOWN	27	25.7	38	36.1	45	42.8	11	10.5	13	12.4
ALTOONA	11	20.8	26	49.3	13	24.6	5	9.5	9	17.0
BETHEL PARK	9	26.1	13	37.7	8	23.2	2	5.8	6	17.4
BETHLEHEM	22	30.4	21	29.0	17	23.5	12	16.6	13	17.9
CHESTER	12	28.2	14	32.9	17	39.9	3	7.0	7	16.4
EASTON	9	33.0	11	40.3	7	25.7	3	11.0	4	14.7
ERIE	32	28.4	42	37.2	25	22.2	17	15.1	20	17.7
HARRISBURG	12	23.2	23	44.5	21	40.6	2	3.9	13	25.1
HAZLETON	6	23.7	16	63.3	10	39.5	3	11.9	4	15.8
JOHNSTOWN	8	26.3	17	55.9	10	32.9	1	3.3	5	16.4
LANCASTER	16	27.1	17	28.8	16	27.1	2	3.4	13	22.0
LEBANON	7	26.1	8	29.8	8	29.8	4	14.9	3	11.2
MCKEESPORT	9	34.2	17	64.6	7	26.6	2	7.6	3	11.4
MONROEVILLE	7	23.7	9	30.5	7	23.7	1	3.4	4	13.6
NEW CASTLE	9	30.1	10	33.5	7	23.4	5	16.7	7	23.4
NORRISTOWN	10	30.0	10	30.0	8	24.0	2	6.0	4	12.0
PHILADELPHIA	498	30.2	614	37.3	519	31.5	130	7.9	243	14.8
PITTSBURGH	118	31.4	176	46.9	126	33.6	36	9.6	67	17.9
PLUM	3	12.1	8	32.3	6	24.2	0	-	4	16.2
READING	17	22.2	33	43.1	31	40.5	3	3.9	11	14.4
SCRANTON	27	33.2	46	56.6	36	44.3	11	13.5	17	20.9
SHARON	3	19.3	2	12.9	3	19.3	2	12.9	5	32.1
STATE COLLEGE	3	9.1	7	21.3	3	9.1	1	3.0	3	9.1
WEST MIFFLIN	12	49.4	10	41.2	6	24.7	4	16.5	1	4.1
WILKES BARRE	23	48.9	25	53.2	19	40.4	4	8.5	7	14.9
WILLIAMSPORT	4	12.6	12	37.7	7	22.0	7	22.0	0	-
YORK	14	30.9	21	46.3	13	28.7	5	11.0	6	13.2
ALL OTHER AREAS	2,271	25.7	2,904	32.8	2,202	24.9	742	8.4	1,155	13.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			UNINTENTIONAL INJURIES									
	CEREBROVASCULAR DISEASE		OTHER		MOTOR VEHICLE		CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	8,036	67.0	2,479	20.7	1,958	16.3	4,303	35.9	3,990	33.2	2,614	21.8
ALLENTOWN	71	67.5	17	16.2	14	13.3	45	42.8	31	29.5	26	24.7
ALTOONA	45	85.2	17	32.2	14	26.5	28	53.0	18	34.1	12	22.7
BETHEL PARK	27	78.3	1	2.9	2	5.8	9	26.1	7	20.3	4	11.6
BETHLEHEM	45	62.1	16	22.1	13	17.9	22	30.4	18	24.8	21	29.0
CHESTER	41	96.3	8	18.8	6	14.1	21	49.3	14	32.9	12	28.2
EASTON	11	40.3	5	18.3	1	3.7	11	40.3	21	77.0	6	22.0
ERIE	118	104.6	33	29.3	20	17.7	36	31.9	69	61.2	30	26.6
HARRISBURG	52	100.5	14	27.1	13	25.1	19	36.7	18	34.8	24	46.4
HAZLETON	43	170.0	4	15.8	6	23.7	16	63.3	21	83.0	4	15.8
JOHNSTOWN	33	108.5	5	16.4	13	42.7	15	49.3	9	29.6	15	49.3
LANCASTER	39	66.1	17	28.8	8	13.6	22	37.3	24	40.7	26	44.1
LEBANON	16	59.6	7	26.1	8	29.8	22	81.9	12	44.7	9	33.5
MCKEESPORT	30	114.1	7	26.6	3	11.4	18	68.4	11	41.8	16	60.8
MONROEVILLE	15	50.8	8	27.1	5	16.9	12	40.7	4	13.6	3	10.2
NEW CASTLE	50	167.4	12	40.2	5	16.7	12	40.2	15	50.2	13	43.5
NORRISTOWN	25	74.9	14	42.0	7	21.0	13	39.0	7	21.0	7	21.0
PHILADELPHIA	1,198	72.7	612	37.2	163	9.9	563	34.2	596	36.2	371	22.5
PITTSBURGH	317	84.5	93	24.8	34	9.1	187	49.8	172	45.8	105	28.0
PLUM	7	28.3	3	12.1	4	16.2	5	20.2	3	12.1	2	8.1
READING	68	88.8	23	30.0	16	20.9	42	54.9	33	43.1	20	26.1
SCRANTON	73	89.8	18	22.2	10	12.3	45	55.4	35	43.1	23	28.3
SHARON	14	90.0	3	19.3	3	19.3	8	51.4	7	45.0	3	19.3
STATE COLLEGE	9	27.4	2	6.1	0	-	3	9.1	3	9.1	3	9.1
WEST MIFFLIN	13	53.6	3	12.4	1	4.1	5	20.6	6	24.7	6	24.7
WILKES BARRE	47	100.0	12	25.5	6	12.8	22	46.8	27	57.4	19	40.4
WILLIAMSPORT	13	40.8	9	28.3	5	15.7	18	56.6	7	22.0	9	28.3
YORK	35	77.1	21	46.3	11	24.2	20	44.1	11	24.2	6	13.2
ALL OTHER AREAS	5,581	63.1	1,495	16.9	1,567	17.7	3,064	34.7	2,791	31.6	1,819	20.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	1,894	15.8	1,605	13.4	1,479	12.3	1,226	10.2	1,038	8.6	942	7.8
ALLENTOWN	19	18.1	10	9.5	22	20.9	15	14.3	10	9.5	11	10.5
ALTOONA	7	13.3	7	13.3	7	13.3	7	13.3	2	3.8	4	7.6
BETHEL PARK	2	5.8	4	11.6	5	14.5	6	17.4	3	8.7	3	8.7
BETHLEHEM	12	16.6	11	15.2	11	15.2	6	8.3	6	8.3	15	20.7
CHESTER	11	25.8	8	18.8	5	11.7	12	28.2	1	2.3	0	-
EASTON	3	11.0	10	36.7	2	7.3	4	14.7	0	-	0	-
ERIE	20	17.7	13	11.5	10	8.9	19	16.8	10	8.9	13	11.5
HARRISBURG	15	29.0	8	15.5	3	5.8	11	21.3	8	15.5	5	9.7
HAZLETON	3	11.9	0	-	6	23.7	7	27.7	1	4.0	1	4.0
JOHNSTOWN	5	16.4	7	23.0	10	32.9	7	23.0	5	16.4	2	6.6
LANCASTER	5	8.5	12	20.3	9	15.3	5	8.5	4	6.8	5	8.5
LEBANON	1	3.7	3	11.2	4	14.9	1	3.7	2	7.4	5	18.6
MCKEESPORT	12	45.6	12	45.6	2	7.6	2	7.6	1	3.8	6	22.8
MONROEVILLE	2	6.8	5	16.9	1	3.4	4	13.6	1	3.4	0	-
NEW CASTLE	5	16.7	6	20.1	3	10.0	6	20.1	5	16.7	1	3.3
NORRISTOWN	2	6.0	3	9.0	3	9.0	5	15.0	2	6.0	4	12.0
PHILADELPHIA	646	39.2	301	18.3	208	12.6	248	15.1	96	5.8	94	5.7
PITTSBURGH	78	20.8	76	20.3	46	12.3	80	21.3	25	6.7	40	10.7
PLUM	1	4.0	3	12.1	4	16.2	4	16.2	3	12.1	2	8.1
READING	7	9.1	9	11.8	21	27.4	10	13.1	6	7.8	6	7.8
SCRANTON	11	13.5	13	16.0	9	11.1	19	23.4	12	14.8	6	7.4
SHARON	3	19.3	4	25.7	2	12.9	5	32.1	1	6.4	2	12.9
STATE COLLEGE	0	-	3	9.1	1	3.0	1	3.0	0	-	1	3.0
WEST MIFFLIN	5	20.6	5	20.6	5	20.6	5	20.6	1	4.1	2	8.2
WILKES BARRE	9	19.1	7	14.9	9	19.1	9	19.1	7	14.9	4	8.5
WILLIAMSPORT	2	6.3	6	18.9	5	15.7	3	9.4	2	6.3	2	6.3
YORK	6	13.2	3	6.6	6	13.2	5	11.0	3	6.6	4	8.8
ALL OTHER AREAS	1,002	11.3	1,056	11.9	1,060	12.0	720	8.1	821	9.3	704	8.0

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	841	7.0	666	5.5	558	4.6	471	3.9	466	3.9	445	3.7
ALLENTOWN	13	12.4	12	11.4	2	1.9	0	-	9	8.6	5	4.8
ALTOONA	2	3.8	1	1.9	1	1.9	0	-	2	3.8	4	7.6
BETHEL PARK	0	-	0	-	3	8.7	0	-	1	2.9	1	2.9
BETHLEHEM	6	8.3	1	1.4	4	5.5	0	-	4	5.5	5	6.9
CHESTER	11	25.8	8	18.8	3	7.0	3	7.0	5	11.7	4	9.4
EASTON	2	7.3	0	-	2	7.3	0	-	1	3.7	2	7.3
ERIE	13	11.5	3	2.7	11	9.8	0	-	3	2.7	7	6.2
HARRISBURG	11	21.3	9	17.4	4	7.7	0	-	4	7.7	5	9.7
HAZLETON	2	7.9	2	7.9	1	4.0	8	31.6	0	-	2	7.9
JOHNSTOWN	2	6.6	1	3.3	2	6.6	0	-	1	3.3	3	9.9
LANCASTER	6	10.2	4	6.8	4	6.8	0	-	9	15.3	4	6.8
LEBANON	1	3.7	1	3.7	1	3.7	0	-	0	-	0	-
MCKEESPORT	1	3.8	2	7.6	1	3.8	0	-	3	11.4	4	15.2
MONROEVILLE	2	6.8	1	3.4	2	6.8	0	-	0	-	0	-
NEW CASTLE	4	13.4	2	6.7	5	16.7	0	-	1	3.3	2	6.7
NORRISTOWN	9	27.0	5	15.0	2	6.0	0	-	2	6.0	0	-
PHILADELPHIA	257	15.6	391	23.7	116	7.0	8	0.5	219	13.3	74	4.5
PITTSBURGH	46	12.3	23	6.1	17	4.5	2	0.5	28	7.5	17	4.5
PLUM	0	-	0	-	1	4.0	0	-	0	-	0	-
READING	10	13.1	4	5.2	7	9.1	0	-	7	9.1	1	1.3
SCRANTON	4	4.9	3	3.7	7	8.6	6	7.4	2	2.5	7	8.6
SHARON	1	6.4	4	25.7	1	6.4	0	-	0	-	0	-
STATE COLLEGE	1	3.0	0	-	2	6.1	0	-	0	-	0	-
WEST MIFFLIN	5	20.6	0	-	1	4.1	0	-	2	8.2	0	-
WILKES BARRE	3	6.4	1	2.1	4	8.5	25	53.2	1	2.1	7	14.9
WILLIAMSPORT	7	22.0	1	3.1	1	3.[illegible]	0	-	0	-	2	6.3
YORK	6	13.2	6	13.2	6	13.2	0	-	3	6.6	4	8.8
ALL OTHER AREAS	416	4.7	181	2.0	347	3.9	419	4.7	159	1.8	285	3.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	420	3.5	365	3.0	305	2.5	302	2.5	223	1.9	176	1.5
ALLENTOWN	6	5.7	2	1.9	3	2.9	2	1.9	2	1.9	1	1.0
ALTOONA	3	5.7	1	1.9	2	3.8	2	3.8	1	1.9	0	-
BETHEL PARK	1	2.9	3	8.7	2	5.8	0	-	0	-	0	-
BETHLEHEM	4	5.5	0	-	3	4.1	3	4.1	2	2.8	2	2.8
CHESTER	0	-	0	-	1	2.3	1	2.3	1	2.3	1	2.3
EASTON	0	-	0	-	0	-	0	-	0	-	0	-
ERIE	3	2.7	2	1.8	2	1.8	6	5.3	0	-	3	2.7
HARRISBURG	1	1.9	2	3.9	0	-	2	3.9	2	3.9	3	5.8
HAZLETON	1	4.0	0	-	0	-	0	-	1	4.0	0	-
JOHNSTOWN	2	6.6	1	3.3	2	6.6	0	-	0	-	0	-
LANCASTER	1	1.7	1	1.7	2	3.4	1	1.7	0	-	1	1.7
LEBANON	0	-	1	3.7	0	-	0	-	2	7.4	0	-
MCKEESPORT	3	11.4	2	7.6	1	3.8	0	-	0	-	1	3.8
MONROEVILLE	2	6.8	0	-	1	3.4	0	-	0	-	0	-
NEW CASTLE	1	3.3	0	-	3	10.0	3	10.0	0	-	0	-
NORRISTOWN	2	6.0	0	-	3	9.0	2	6.0	2	6.0	1	3.0
PHILADELPHIA	52	3.2	49	3.0	59	3.6	33	2.0	38	2.3	43	2.6
PITTSBURGH	14	3.7	26	6.9	7	1.9	13	3.5	14	3.7	3	0.8
PLUM	0	-	1	4.0	2	8.1	0	-	0	-	1	4.0
READING	2	2.6	0	-	2	2.6	1	1.3	1	1.3	0	-
SCRANTON	5	6.2	1	1.2	2	2.5	1	1.2	3	3.7	3	3.7
SHARON	2	12.9	1	6.4	1	6.4	0	-	0	-	1	6.4
STATE COLLEGE	0	-	0	-	1	3.0	0	-	0	-	0	-
WEST MIFFLIN	0	-	1	4.1	0	-	1	4.1	0	-	2	8.2
WILKES BARRE	5	10.6	4	8.5	4	8.5	2	4.3	2	4.3	1	2.1
WILLIAMSPORT	3	9.4	1	3.1	2	6.3	0	-	0	-	0	-
YORK	1	2.2	2	4.4	4	8.8	2	4.4	1	2.2	0	-
ALL OTHER AREAS	306	3.5	264	3.0	196	2.2	227	2.6	151	1.7	109	1.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

MUNICIPALITY	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	150	1.2	139	1.2	135	1.1	104	0.9	99	0.8
ALLENTOWN	1	1.0	2	1.9	0	-	1	1.0	0	-
ALTOONA	2	3.8	1	1.9	3	5.7	0	-	3	5.7
BETHEL PARK	1	2.9	0	-	0	-	1	2.9	0	-
BETHLEHEM	0	-	3	4.1	1	1.4	1	1.4	0	-
CHESTER	1	2.3	5	11.7	0	-	1	2.3	2	4.7
EASTON	0	-	1	3.7	0	-	0	-	1	3.7
ERIE	0	-	0	-	1	0.9	1	0.9	0	-
HARRISBURG	0	-	0	-	0	-	0	-	3	5.8
HAZLETON	1	4.0	0	-	1	4.0	0	-	0	-
JOHNSTOWN	2	6.6	0	-	1	3.3	0	-	0	-
LANCASTER	0	-	1	1.7	1	1.7	3	5.1	1	1.7
LEBANON	0	-	0	-	1	3.7	0	-	0	-
MCKEESPORT	1	3.8	0	-	0	-	0	-	1	3.8
MONROEVILLE	0	-	0	-	0	-	1	3.4	0	-
NEW CASTLE	2	6.7	0	-	0	-	0	-	0	-
NORRISTOWN	1	3.0	1	3.0	0	-	0	-	1	3.0
PHILADELPHIA	12	0.7	49	3.0	17	1.0	13	0.8	22	1.3
PITTSBURGH	7	1.9	11	2.9	8	2.1	2	0.5	10	2.7
PLUM	0	-	0	-	0	-	0	-	0	-
READING	1	1.3	3	3.9	2	2.6	0	-	0	-
SCRANTON	2	2.5	3	3.7	1	1.2	1	1.2	1	1.2
SHARON	0	-	1	6.4	0	-	0	-	0	-
STATE COLLEGE	0	-	0	-	0	-	0	-	0	-
WEST MIFFLIN	0	-	0	-	0	-	1	4.1	0	-
WILKES BARRE	1	2.1	0	-	2	4.3	0	-	1	2.1
WILLIAMSPORT	0	-	0	-	0	-	0	-	2	6.3
YORK	0	-	2	4.4	2	4.4	2	4.4	1	2.2
ALL OTHER AREAS	115	1.3	56	0.6	94	1.1	76	0.9	50	0.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	78	0.6	71	0.6	55	0.5	47	0.4	11,531	96.1
ALLENTOWN	2	1.9	1	1.0	0	-	0	-	78	74.1
ALTOONA	0	-	0	-	1	1.9	0	-	52	98.5
BETHEL PARK	2	5.8	0	-	1	2.9	0	-	20	58.0
BETHLEHEM	0	-	0	-	1	1.4	0	-	58	80.0
CHESTER	0	-	0	-	1	2.3	0	-	73	171.5
EASTON	1	3.7	1	3.7	0	-	0	-	21	77.0
ERIE	2	1.8	1	0.9	1	0.9	0	-	134	118.8
HARRISBURG	1	1.9	2	3.9	2	3.9	0	-	51	98.6
HAZLETON	0	-	1	4.0	0	-	2	7.9	16	63.3
JOHNSTOWN	0	-	1	3.3	0	-	0	-	30	98.7
LANCASTER	0	-	0	-	2	3.4	0	-	52	88.2
LEBANON	0	-	1	3.7	1	3.7	0	-	17	63.3
MCKEESPORT	0	-	0	-	0	-	0	-	52	197.7
MONROEVILLE	0	-	0	-	0	-	0	-	21	71.2
NEW CASTLE	0	-	0	-	0	-	1	3.3	33	110.5
NORRISTOWN	0	-	0	-	0	-	0	-	45	134.9
PHILADELPHIA	5	0.3	27	1.6	12	0.7	4	0.2	2,805	170.3
PITTSBURGH	4	1.1	1	0.3	0	-	1	0.3	528	140.7
PLUM	0	-	0	-	0	-	0	-	10	40.4
READING	0	-	0	-	0	-	0	-	108	141.1
SCRANTON	1	1.2	1	1.2	1	1.2	0	-	106	130.5
SHARON	0	-	0	-	0	-	0	-	18	115.7
STATE COLLEGE	0	-	0	-	0	-	0	-	9	27.4
WEST MIFFLIN	1	4.1	0	-	0	-	0	-	21	86.5
WILKES BARRE	0	-	0	-	0	-	1	2.1	69	146.8
WILLIAMSPORT	0	-	0	-	0	-	0	-	23	72.3
YORK	0	-	0	-	0	-	0	-	41	90.4
ALL OTHER AREAS	59	0.7	34	0.4	32	0.4	38	0.4	7,040	79.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.